

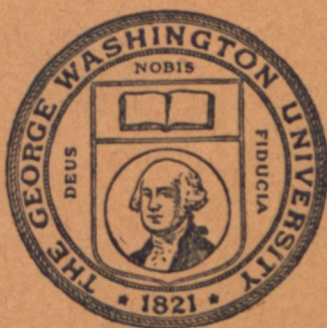
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ADDRESS BY
JOHN GARLAND POLLARD, LL. D.
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CONVOCATION ADDRESS

GEORGE WASHINGTON UNIVERSITY

FEBRUARY 22, 1923

THE GROWING IMPORTANCE OF POPULAR
EDUCATION IN POLITICS

BY

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IN THE

COLLEGE OF WILLIAM AND MARY

CONVOCATION ADDRESS

FEBRUARY 22, 1923

hear the multiplication of bureaus and departments condemned on all sides, and yet when you ask the critic to list the new agencies he would dispense with you may usually silence his criticism.

There is little likelihood that the number of organizations representing special classes, trades or callings will ever be fewer than they are today. Their legitimate functions are so apparent that their formation must not be discouraged. Their evil tendencies, however, must be curbed.

There will always be in public life a large number of men who will take no part in moulding public opinion. Many conscientiously believe that they are mere registers of public opinion and that it is not their duty to take part in its formation. Men who pursue this course are the men who usually remain longest in public life. This class of politician seems now to be the most popular with the voters. This we hope will not always be true. The more intelligent the electorate, the more and more they will demand qualities of leadership in their representatives, yet the fact remains that the public men whose policy is to give their constituents what they want without undertaking in any way to influence their choice will always continue in public life in large numbers.

I.

It has been estimated that our governments, national, state and local absorb one-seventh of the income of all the people of the United States. Or to put it another way, our governments have become so huge as to take in taxes the total income of all the people for one-seventh of their time. An amount equal to all the fruits of our labor for this calendar year up to today (Feb. 22), went into the public tills. Just today the people stopped working for their governments and began to work for themselves. Of course I do not mean that every citizen pays one-seventh of his income in taxes, but I do mean that the average citizen is burdened in approximately that proportion by taxes directly paid by him plus those indirect taxes passed on to him by others and which are hidden away in the cost of everything he buys. These indirect taxes are no less burdensome than direct taxes, for there is but one source from which the government can derive its sustenance and that is from the earnings of the people. The only difference is in the degree of the consciousness of the burden. The indirect tax has proven less objectionable to the public, for taxation has been described as the art of so picking the goose as to get the greatest amount of feathers with the least amount of squawking.

Ten years ago the per capita cost of the Federal Government was less than \$4.00, now it is \$60.00, and our bonded indebtedness amounts to \$1000.00 per family. The average cost of the State governments in 1913 was about \$5.00 per capita and now it is \$22.00 per capita. Taxes amount annually to more than 33% of the total circulating medium and constitute a burden equal to \$350.00 per family. In 1920, after the war had ended, 93 cents out of every dollar paid into the national treasury went for pension obligations and debts contracted for past wars and for maintaining the army and navy for possible future wars. Only 6 cents out of every dollar went to the ordinary expenses of the government, such as Congress, courts, executive departments, public buildings, rivers, harbors, roads and the like, and only one cent out of every dollar was devoted by the national government to scientific and educational work.

This array of facts shows that from now on each citizen must consider his taxes as a substantial part of his individual budget, and for business reasons, if none other, he must pay attention to and participate in the conduct of the government under which he lives.

II.

But as I have indicated, this story cannot be told in terms of dollars and cents. Every meeting of our legislative bodies adds to the list of governmental activities. Witness the recent maternity laws, showing that the government is concerning itself about the individual even before he is born. When he comes into being his birth is made a permanent legal record. The government then begins to look after the food of the infant and seeks to protect the purity of the supply through food inspection laws. It knows that the growing child must be the special object of its protection against contagious diseases, and our government undertakes to prevent their spread. When the child is old enough, the government leads it to the school room. Yea, it pulls him in, through compulsory education laws. There it takes charge of his training following him through the grades into the high schools and undertaking to give direction to his life by providing special courses. It also provides colleges and universities where he may further pursue his studies and fit himself for business and the professions.

Nor is this all. He cannot become a lawyer, a doctor, a dentist, a teacher, or even an undertaker without standing an examination prescribed by law. When the young man steps out into life it is the government which largely prescribes the conditions under which his young life shall be spent; whether he shall be surrounded by temptations of the gambling den, the bootlegger, and the social evils which the government undertakes to fight. When the young man gets married, he cannot do so except in the manner and in the form prescribed by the government; and then after he is married and comes under the dominion of his wife, surely then we would say that it is time for the government to let him alone, but not so, it decrees that he shall support that wife and sends him to jail if he does not. The government also requires the father to support his children by furnishing them shelter, food and clothing, the prices of which are substantially affected by taxes fixed by the government. And so it is that the government follows the citizen all through his life, prescribing the conditions under which he shall conduct his business and how much of his earnings he must give up in taxes. Yea, it follows you down to your dying day, and after you are dead it prescribes how long your body shall be kept out of the ground. Nor is this the last of the government. It then takes charge of your estate, takes what it wants for itself in the shape of inheritance taxes and then distributes the residue among your heirs and the lawyers. And the government would not stop even here, but would go further, I fancy, and levy a tax on your happiness or misery in the next world, but fortunately for you, the tax collector never knows which way you have gone. Other concerns of life begin with the cradle and end with the grave, but not so with the government. It reaches out for you before you are born and lives on what you leave after you are dead and gone. And yet some people seem to think they are giving evidence of their wisdom when they state they are too busy to have anything to do with politics.

III.

The day is marked by the formation of numerous organizations for the advancement of the interests of particular classes, trades or callings. The very fact that they represent a class rather than the general public makes it unsafe for the people to allow them to acquire too much power.

Many of these organizations have their headquarters here in Washington where they maintain paid secretaries whose duty is to watch legislation which may effect their interests. These organized minorities exert influence over Congress far out of proportion to the number of citizens interested. *A few thousand men interested in the passage or defeat of a piece of legislation, men who are earnest and have memories which last until election day, have far more influence on legislators than the unorganized masses.* The legislator, of course, knows that these organizations represent minorities, but he also

knows if he pleases them he can count on their help in his re-election and if he displeases them he can count on their vigorous opposition. He knows that if they make some unreasonable demand of him and he refuses to accede, that as a rule he cannot make a successful appeal to the majorities on the ground that he has withstood the unreasonable demands of these organized minorities. He knows it is difficult and often impossible to arouse the majority from their indifference and that on election day they will give him little credit for resisting unreasonable demands.

A convincing evidence of the power of organized minorities is shown by the recent disclosure by the head of one of our woman's organizations who publicly states that she was offered \$250,000.00 to lobby for a certain measure. Her organization represents a small minority of women, but they are well organized, and the man who offered the compensation knew that what the public man fears is not the leaderless unorganized masses but the small compact bodies of voters who know what they want and are willing to fight for it.

The situation is well illustrated by the familiar story of the stage driver who had become so expert in the use of his whip that he could, with unfailing aim, pick off with his lash any leaf from the trees which overhung the highway. One day he was driving under a tree where there was an overhanging hornet's nest and a passenger asked him why he did not pick the nest off with the end of his whip. He replied, "Stranger, that thing is organized."

Legislators, state and federal, know that much unwise legislation is accomplished in the way indicated and that much good legislation is thus defeated. The only way to lessen this evil is to increase the number of well informed voters who will support public men in their opposition to the unreasonable demands of organized minorities. In theory, the public man before each effort for re-election submits his record to the scrutiny of his constituents, but the truth is that the majority of them know little and care little about what their representatives have done, while there is always the compact minority who do know and do care. It is this minority which the candidate often seeks to please, for he knows that by their activity they can change a few thousand votes which may decide his political fate. The evil of this condition will grow less and less just in proportion as the number of well informed disinterested citizens increases.

IV.

I have referred to the growth of the disposition on the part of our representatives not to lead in the formation of public opinion but to postpone stating their own position until after public opinion is formed. I think history shows that there was once in our legislative halls a larger proportion of men who were creators of public sentiment.

I am not libeling our present day public men. Let us here see what one of their number has to say on this subject. Some years ago I spoke in this city at a banquet of the friends of this institution. Uncle Joe Cannon, who has been in Congress whereof the memory of man runneth not to the contrary, was called on for a speech. The old man arose and in a most impressive way began to deplore the timidity of his colleagues in Congress; he pictured them as dodging out into the cloak room and corridors when a vote was about to be taken on a question concerning which their constituents were divided. He then raised his long bony arms and with great feeling and emphasis said, "Gentlemen, if I had my way, I would abolish the office of Chaplain of Congress and instead of having an opening prayer, I would require all my colleagues to join their hands and sing together the good old gospel hymn 'Increase My Courage Lord.'"

One of the greatest tasks of the day is to encourage the disposition on the part of the people to appreciate and honor those public men who fight for principle and to despise those who dodge great issues just as we despise those who flee when their country calls to arms. We have often heard it said that peace hath its victories no less renowned than war, that the country's

greatest good has been accomplished by the efforts of noble men and women in time of peace, and yet while we make heroes of men who face death in time of battle, we have little to say in praise of those heroes of peace who sacrificed their personal interests in the advocacy of measures they believe to be conducive to the public good. On the other hand we find ourselves honoring men who hold their public positions by reason of their failure to take a decided stand on public questions, and the public man who is really willing to fight for the public good is often considered a stubborn disturber of the party's peace and unavailable for party honors.

The demand that our public men should have courage must become more widespread. Our political situation is full of problems of the greatest importance with which our public men fear to grapple because of the antagonisms which they might thus create. The remedy is to increase the number of voters who will demand of all those entrusted with leadership and all who ask the people thus to honor them, that they aid in the solution of the important questions relating to the office they hold or to which they aspire. We must create a public sentiment which will look on the failure of a public man to take a stand when such questions are at issue as a display of cowardice not to be tolerated. The battles of peace cannot be won under cowardly leadership any more than wars can be won under cowardly military officers. The public man whose chief concern is getting elected is as useless to his country as a soldier whose chief concern is his own personal safety. A greater number of the people must be stirred to oppose those public men who are afraid to advocate measures concerning which there is a difference of opinion.

The wrongs of government will not be righted by such men. On the other hand their presence in politics can but retard the processes of improvement. And yet let it be sadly admitted that the attitude of the average voter encourages such timidity. The average voter seems to delight in voting for a "good fellow" who never offends anybody by disagreeing with them. We are prone to forget that no wrong is ever righted without giving offense to somebody, and the number of people offended is often in proportion to the wrong to be corrected. I have sometimes heard good men justify politicians in their evasive policies. They say they cannot blame candidates for getting all the votes they can. But if a man is unwilling to get dollars by deception, how can he justify getting votes by the same method. And if it is wrong to get rich by fraud and concealment, how can getting office by the same method be justified? We look with toleration and often with admiration upon the slickness of the politician who cleverly avoids any issue, who never leads public sentiment but who always follows, who has no convictions, who entertains no worthy aspirations but whose only desire is to remain in power for selfish purposes. Such men invariably change as their personal interests dictate, they do not belong to those brave spirits who fight and win the battles for right. They are mere camp followers who live on the spoils of war. They fill their greedy hands with the plunder of patronage, the by-product of the hard fought battles of peace in which brave men risk and often lose their political lives.

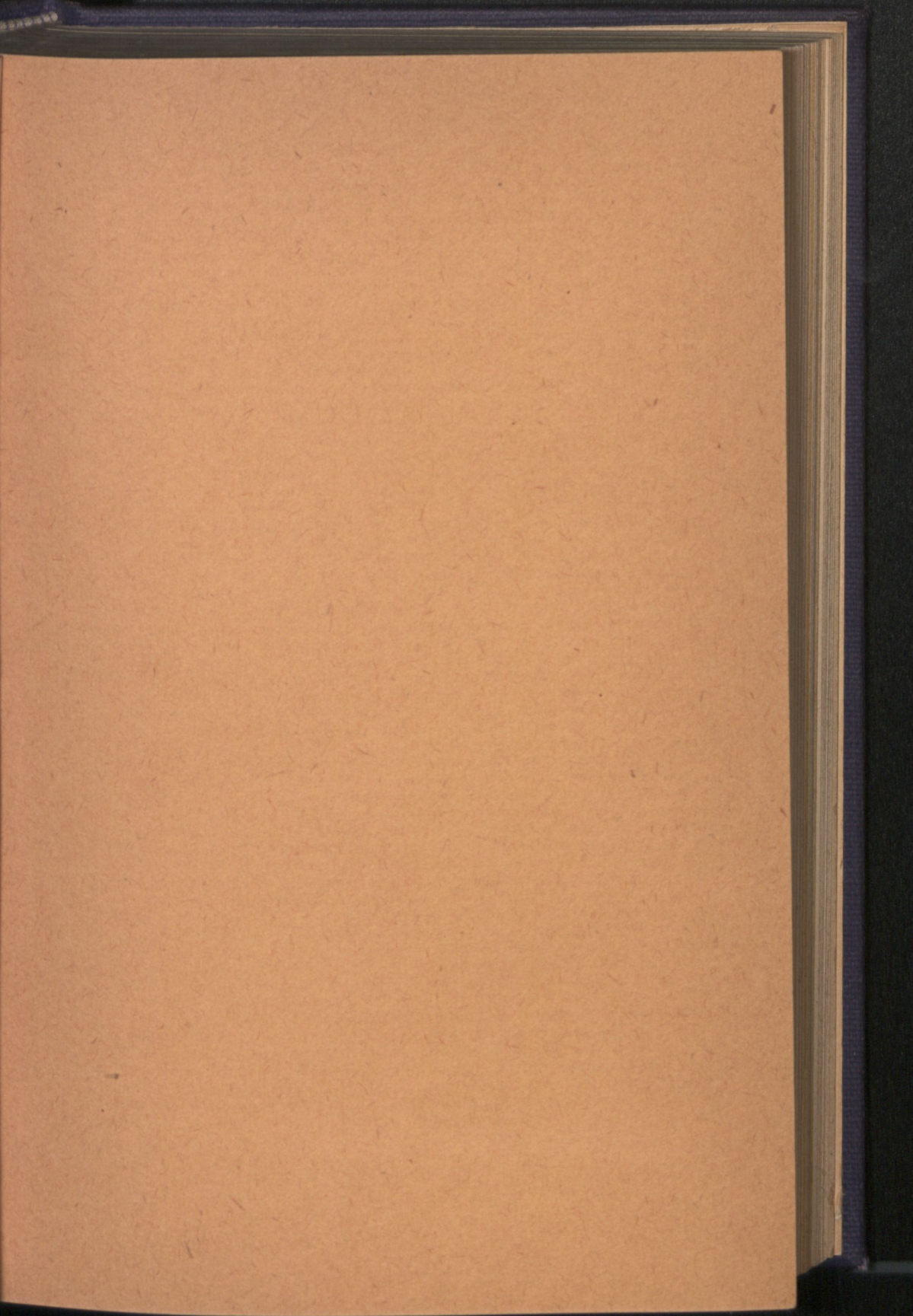
But our public men are what the people make them. Many a politician would be a statesman if the people would only allow him to be. The lack of political information and interest is responsible for cowardice in public life. The experienced politician knows that only about once in a decade do the masses of the people have spasms of political activity, while he is daily impressed with the fact that if he wants to keep in public life he must please that organized minority which never forgets. If such minority happens to be good, then he is good. If it happens to be bad, he is no better.

I would not excuse a candidate for unholy alliances, but surely those of us are not innocent who by our indifference make such alliances profitable, thus putting temptation in our brother's way.

In the days of duelling, men were required by public sentiment to settle their disputes on the so-called field of honor. John Hamden Pleasants, a Virginia editor, was one of the great men whose life was sacrificed to this cruel sentiment. At his funeral, attended by a large and influential gathering of the citizens of Richmond, the minister dwelling on the evil of the public sentiment which required men to fight when challenged, at the end of his discourse, pointing down to the casket which enclosed the victim's remains, solemnly and impressively said, "There lies the body of John Hamden Pleasants," and then looking up into the faces of the great audience the preacher dramatically exclaimed, "and ye are his murderers!" And so I have sometimes thought that it might be justly said of the citizens of this country that their indifference to public affairs, stifles and oft times kills the patriotism and courage of our public men, for they can but remember the political death of so many of their contemporaries who had earnestly taken up the cause of the people against organized minorities only to be forgotten by the people on election day and left to be slain on the battle field.

The task of our universities and colleges is to impress on our young men and women not only how vitally the government affects their own interest, but to look on politics as an instrumentality of service to our fellow man. We must teach that that man is a grafter who gets more out of the community in which he lives than he puts back in service, and that the neglect of one's duty to his country is second only in disgrace to neglect of one's family. We must impress the fact that the man who goes into politics for selfish reasons and the man who stays out of politics for selfish reasons are both bad citizens and that there is little difference in the degree of guilt between the man who makes politics dirty and the man who refuses to help make politics clean.

And now may I close by applying to my subject a lesson from the life of the great man whose birth we celebrate today and from whom this great university gets its name. The life of Washington illustrated in all its completeness, the full duty of a citizen to his country. His service in peace was no less devoted than his service in war. Some great soldiers of history, when the din of battle had died from their ears, have sunk back into lives of ease and have disdained to take part in the battles of peace. But Washington knew that peace hath its victories no less renown than war. He knew that a man's patriotism in peace is measured by his interest in public affairs. He knew that war with all of its horrors, its sufferings and its tears, has its roots in mistakes made in times of peace. To help his country avoid these mistakes, he left the shades of Mt. Vernon and went into public service. Today we are prone to think of Washington as the idol of all the people of his time, but not so. Even the father of his country had to bare his breast to the cruel darts of criticism from unrelenting political enemies, just as truly as he bared his breast to British bullets. Those who think that the soldiers of peace know not suffering, have never fought in a good cause. They see only the glamour of public office, they hear only the applause of the crowd, just as they see the soldiers of war on dress parade and hear the martial music, but forget the hardships of camp and field. Yes, even the great Washington had his motives impugned, and his honesty questioned and, I fancy, his suffering as a soldier of peace was more acute than his sufferings as a soldier of war. But he continued true to his duty and his life is a rebuke not only to slackers in time of war, but to those respectable citizens who prefer their own profit and ease to participation in the struggles which are now going on to correct the wrongs which still cling to government. Young ladies and gentlemen, the time may never come when you can help your country in time of war, but you can work for your country's good in time of peace; and this means an intelligent interest in public affairs and an active participation in the support of men and measures which will most effectually establish justice and insure progress.



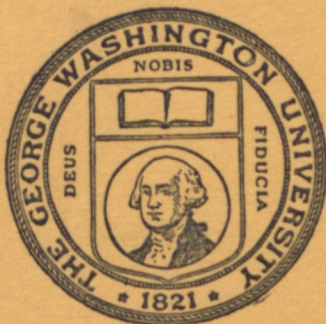
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UNIVERSITY CALENDAR

1923		
January	29	<i>Monday</i> —Second half-year begins.
February	13	<i>Tuesday</i> —Doctorate Disputation.
February	22	<i>Thursday</i> —Winter Convocation. A holiday in all departments of the University.
March 30 to		
April	2	<i>Friday to Monday, both inclusive</i> —Easter Holidays.
April	10	<i>Tuesday</i> —Davis Prize Speaking.
April	23	<i>Monday</i> —Last day on which theses of candidates for the Doctorate degree at Commencement may be presented.
May	21	<i>Monday</i> —Last day on which theses of candidates for the Engineering and Master's degrees may be presented.
May	23	<i>Wednesday</i> —Final examinations, Department of Arts and Sciences, begin.
May	29	<i>Tuesday</i> —Doctorate Disputation.
May	30	<i>Wednesday</i> — <i>Decoration Day</i> —A holiday in all departments of the University.
May	31	<i>Thursday</i> —Annual meeting of the Board of Trustees.
June	3	<i>Sunday</i> —Baccalaureate Sermon.
June	6	<i>Wednesday</i> —Commencement.
June	14-23	Registration for the Summer School.
June	18	<i>Monday</i> —Instruction begins in the three-credit courses coming at seven forty-five A. M., and in all afternoon classes in the Department of Arts and Sciences and in all classes in the summer session of the Law School.
June	25	<i>Monday</i> —Instruction begins in the two-credit courses coming in the forenoon in the Department of Arts and Sciences.
September	26	<i>Wednesday</i> —Academic year begins in all departments of the University.
October	9	<i>Tuesday</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Fall Convocation may be presented.
October	10	<i>Wednesday</i> —Stated meeting of the Board of Trustees.
October	25	<i>Thursday</i> —Fall Convocation.
November 29 to December 1		<i>Thursday to Saturday, both inclusive</i> —Thanksgiving Recess.

RECESS FROM DECEMBER 23, 1923, TO JANUARY 2, 1924, BOTH INCLUSIVE

1924		
January	4	<i>Friday</i> —Last day on which theses of candidates for the Doctorate degree at the Winter Convocation may be presented.
January	9	<i>Wednesday</i> —Stated meeting of the Board of Trustees.
January	21	<i>Monday</i> —Mid-year examinations, Department of Arts and Sciences, begin.

January	28	<i>Monday</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Winter Convocation may be presented.
January	28	<i>Monday</i> —Second half-year begins.
February	22	<i>Friday</i> —Winter Convocation. A holiday in all departments of the University.
April	18-21	<i>Friday to Monday, both inclusive</i> —Easter Holidays.
April	21	<i>Monday</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
April	29	<i>Tuesday</i> —Davis Prize Speaking.
May	19	<i>Monday</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	21	<i>Wednesday</i> —Final examinations, Department of Arts and Sciences, begin.
May	27	<i>Tuesday</i> —Doctorate Disputation.
May	28	<i>Wednesday</i> —Annual meeting of the Board of Trustees.
June	1	<i>Sunday</i> —Baccalaureate Sermon.
June	4	<i>Wednesday</i> —Commencement.
June	12-21	Registration for Summer School.
June	16	<i>Monday</i> —Summer School begins.

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1925

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1926

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- WALTER RUPERT TUCKERMAN, A. B., LL. B., Bethesda, Md.
- †WILLIAM S. WASHBURN, M. D., 2029 Connecticut Avenue.
- HENRY WHITE, LL. D., 2 West Fifty-second Street, New York City.

* Nominated by the Alumni.

† Died, June 28, 1923.

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Vice-Chairman of the Board of Trustees
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The Secretary of the University, Secretary *ex officio*.

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William Mather Lewis, A.M., President-elect
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Charles Wendell Holmes, Treasurer

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Howard Lincoln Hodgkins, Ph. D., Sc.D., Dean
Anna Lorette Rose, A.B., Registrar and Dean of Women
Linda Jane Kincannon, A.B., Assistant Registrar

Columbian College

William Allen Wilbur, A.M., Litt.D., Dean

College of Engineering

Hugh Miller, C.E., Dean

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School of Graduate Studies

George Neely Henning, A.M., Litt.D., Dean

Department of Medicine and Pharmacy

William Cline Borden, M.D., Dean
Oscar Benwood Hunter, A.B., M.D., Assistant Dean

Medical School

William Cline Borden, M.D., Dean

College of Pharmacy

Henry E. Kalusowski, M.D., Phar.D., Dean

Law School

*Merton Leroy Ferson, A.M., LL.M., Dean
William Cabell Van Vleck, A.B., LL.B., S.J.D., Acting Dean
Joseph Abner Jordan, LL.B., Secretary

University Library

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Buildings and Grounds

Elmer Schatz, Superintendent

*On leave of absence 1923-24.

(Arranged in Departmental Groups)

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 WILLIAM MATHER LEWIS, A.M.....*President-elect*
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 GEORGE NEELY HENNING, A.M., Litt.D.,

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CHARLES CLINTON SWISHER, Ph.D., LL.D.....*Professor of History*

CHARLES SIDNEY SMITH, Ph.D. Professor of Greek and Latin
HUGH MILLER, C.E.

HUGH MILLER, C.E. Dean of the College of Engineering
JOHN RAYMOND LARSEN, M.S. in C.E. Professor of C.E.

JOHN RAYMOND LAPHAM, M.S. in C.E. *Professor of Civil Engineering*
WILLIAM CARL RUEDIGER, Ph.D. *Dean of Teachers College*

WILLIAM CARL RUEDIGER, Ph.D. Dean of Teachers College
ALFRED FRANCIS WILLIAM SCHMIDT, A.M. Professor of German

ALFRED FRANCIS WILLIAM SCHMIDT, A.M.....Professor of German
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Professor of Bacteriology and Pathology

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Admissions—Professors HODGKINS, RUEDIGER and WILBUR.

Commencement Exercises—The President, the Secretary, and the Treasurer,
Professors SWETT, HORNADAY, DOYLE, MCNEIL and BOLWELL.

Schedule—Professors HODGKINS, HENNING and RUEDIGER.

Library—Professors SCHOENFELD, HENNING, the Librarian.

Summer School—Professors HODGKINS, REUDIGER, HUNTER and VAN VLECK.

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BERNARD BURDICK and Mr. ROBERT COLFLESH.

* On leave of absence 1923-24.

HISTORY AND PRESENT ORGANIZATION

HISTORY

The George Washington University is the successor of the Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

The first commencement of Columbian College was held on the 15th of December, 1824, with the President of the United States; the Honorable John Quincy Adams, Secretary of State; the Honorable John C. Calhoun, Secretary of War; the Honorable Henry Clay, Speaker of the House of Representatives; and General Lafayette among those present.

Work in the College was confined to the Arts and Sciences until March, 1825, when the Medical Department was established under the conduct of Dr. Thomas Sewall. The Medical Department is thus in the chronological order of establishment the seventeenth medical school in the United States. In 1826 the Law Department was founded with the Honorable William T. Carroll and Mr. Justice Cranch as its professors. Shortly afterward the school was discontinued, but was reopened in 1865. A Theological School founded also in 1826 was soon moved to Newton, Mass., where it now flourishes. On October 1, 1884, the Corcoran Scientific School, now the College of Engineering, was founded. Under Dean Charles E. Munroe the School of Graduate Studies was organized in 1893. Teachers College was started as The Division of Education in 1907. In 1919, the National College of Pharmacy, organized in 1905 as an affiliated college of the University and suspending during the last year of the war, was reopened as the School of Pharmacy, a division of the Department of Medicine, Dentistry and Pharmacy.

EDUCATIONAL ORGANIZATION

Department of Arts and Sciences:

- School of Graduate Studies
- Columbian College
- College of Engineering
- Teachers College
- Summer School

Department of Medicine and Pharmacy:

- The Medical School
- The School of Pharmacy
- Nurses School

Department of Law

ANNUAL COMMENCEMENT

The Annual Commencement is held thirty-six weeks after the last Wednesday in September. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 26.

The Winter Convocation is held on February 22.

UNIVERSITY ASSEMBLIES

The University Assemblies will be held from time to time, the attendance of students upon which may be required.

THE UNIVERSITY LIBRARY

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 55,000 volumes.

In addition to its general collections the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archaeology, and history; the Mount Vernon Alcove containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a. m. to 10.30 p. m.

The Law Library, containing 7,500 volumes, is open from 8.30 a. m. to 10 p. m.

The Medical Library, containing about 3,000 volumes, is open from 9 a. m. to 9 p. m.

PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law,

to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

STUDENT ACTIVITIES

Student Activities are supported by a voluntary Student Activities Fee, subscribed to by members of the University and collectible as a regular University fee by the Treasurer. Control and direction of all student activities are vested in a Board of Managers of Student Activities, which in turn is subject to the supervision and control of the President's Council. The duties of the board are as follows:

- (a) To control and direct Student Activities.
- (b) To determine the amount of the Voluntary Student Fee.
- (c) To appropriate funds from the Student Activities Treasury.
- (d) To have final decision as to the selection of coaches or instructors for all student activities.

The Student Activities Fee was fixed by the Board at ten dollars for the academic year 1923-24.

Delta Tau Delta Activity Award.—The Gamma Eta Chapter of the Delta Tau Delta Fraternity awards each year to "that member of the senior class who throughout his course at George Washington University has done the most constructive work in the furtherance and upbuilding of the University Student Activities" a gold medal.

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Professor Emeritus of Mathematics

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Dean of the Department of Arts and Sciences and Professor of Mathematics

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Professor Emeritus of Philosophy

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Dean Emeritus of the School of Graduate Studies and Professor Emeritus
of Chemistry

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DE WITT CLINTON CROISSANT, Ph. D.....*Professor of English*

† JOAQUIN DE SIQUEIRA COUTINHO, Kt., Sc. D.,

Professor of Portuguese Language and Literature

* Died May 31, 1923.

† On leave of absence, 1923-24.

LOUIS COHEN, Ph. D.	Professor of Radio-Electricity
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JOHN RAYMOND LAPHAM, M. S. in C. E.	Professor of Civil Engineering
EUGENE R. WHITMORE, B. S., M. D., Dr. P. H.	Professor of Preventive Medicine
OWEN B. FRENCH, C. E.	Professor of Surveying
THOMAS BENJAMIN BROWN, Ph. D.	Professor of Physics
HENRY GRATTAN DOYLE, A. M.	Professor of Romance Languages
FRANK A. HITCHCOCK, B. S. in C. E.	Professor of Civil Engineering
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HUGH MILLER, C. E.,	

<i>Dean of the College of Engineering and Professor of Civil Engineering</i>	
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<i>Secretary of the University and Assistant Professor of History</i>	
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CHARLES ELMER RESSER, Ph. D.	Assistant Professor of Geology
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WALDO LASALLE SCHMITT, Ph. D.	Instructor in Zoology

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GREGORY HANKIN, A. M.	<i>Instructor in Mathematics</i>
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ANGEL C. VASQUEZ.	<i>Instructor in Spanish</i>
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HENRY ALBERT LEPPER, B. S. in Chem.	<i>Instructor in Chemistry</i>
BONIFANT HAMILTON, B. S. in Chem.	<i>Instructor in Chemistry</i>
PETER VALEAR, M. S.	<i>Instructor in Chemistry</i>
JOHN FRANKLIN MEYER, Ph. D., Sc. D.	<i>Lecturer in Electricity</i>
IRWIN FLEMING, B. S. in Arch.	<i>Instructor in Architecture</i>
ANDRE MARIE GEORGES BENETEAU, B. L.	<i>Instructor in French</i>
CHRISTIAN CLETUS MILLER, S. T. B.	<i>Instructor in Romance Languages</i>
MRS. DANIEL C. CHACE	<i>Instructor in Journalism</i>
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WARREN REED WEST, Ph. D.	<i>Instructor in Political Science</i>
ALLAN DEIBERT, A. M.	<i>Instructor in Romance Languages</i>
NORMAN C. GIDDINGS, A. M.	<i>Instructor in Romance Languages</i>
JAMES B. SULLIVAN, A. B.	<i>Instructor in Education</i>
F. B. ACOSTA, A. B., Ph. B., LL. B.	<i>Instructor in Spanish</i>
PAUL H. BRATTAIN, B. S. in Chem.	<i>Instructor in Chemistry</i>
W. G. BROMBACKER, Ph. D.	<i>Instructor in Physics</i>
RICHARD D. CAMPBELL, B. S. in E. E.	<i>Instructor in Electrical Engineering</i>
PAUL A. CONGER, A. B.	<i>Instructor in Zoology</i>
C. G. EICHLIN.	<i>Instructor in Physics</i>
HAROLD N. GIESE.	<i>Instructor in Chemistry</i>
FRANK D. MOORE, A. M.	<i>Instructor in Chemistry</i>
LAWRENCE JAMES O'ROURKE, Ph. D.	<i>Lecturer in Educational Psychology</i>
OTHELLO HENRY SCHROEDL, C. E.	<i>Instructor in Structural Engineering</i>
EDWIN LEE WHITE, A. B.	<i>Instructor in Physics</i>
SPENCER B. MICHAEL, B. S. in E. E.	<i>Instructor in Electrical Engineering</i>
WILLIAM NORTHRUP MORSE, A. M.	<i>Instructor in English</i>
LAWRENCE G. HOOVER, A. B.	<i>Teaching Fellow in Education</i>
ALICE I. WHITSON, M. S.	<i>Assistant in Chemistry</i>
GORDEN C. TIBBITTS, B. S. in Chem.	<i>Assistant in Chemistry</i>
RUTH REEVES, A. B.	<i>Assistant in Zoology</i>
MATTHEW W. STERLING, A. B.	<i>Assistant in Ethnology</i>

* On leave of absence, first semester, 1923-24.

STUDENT ASSISTANTS

Architecture: CHARLES W. JONES.

Botany: GLADYS POPE.

Chemistry: R. A. BOGLEY, GEORGE W. F. BOYD, GEORGE F. CLARVOE, HAROLD COYL, A. M. ERGOOD, B. EXNER, J. J. FAHEY, F. W. FARRAR, R. M. HANN, WILLIAM L. HELLER, RONALD MACNAB, CODY MARSH, ELVAN A. MILLER, BYRON OWENS, A. A. PETERSON, GEORGE L. ROBERTS, ALBERT SPERRY, PAUL SPIELMAN, E. A. SWEDENBERG, G. C. WIARD.

Commerce: E. E. NAYLOR.

Economics: LESTER JOHNSON, ISAAC Q. LORD.

English: NELL T. ANDERSON, HAZEL BAYNE, MAYBELLE BENNETT, MARGARET BREWER, HARRIET BURGESS, JUNE COOPER, FRANCES DEGRANGE, MARGARET FRAVEL, ELIZABETH KENDRICK, TERESA LAWRENCE, PAULINE HARRIS, HELEN MANKEY, DOROTHY NICHOLS, MAXINE ROLLE, EFFIE MARIE ROSS, ANNETTE E. T. STEEL.

History: WILMER T. BARTHOLOMEW, RALPH C. HOWARD, HARRY TEMIN.

Library: MARY C. BENFER, CATHERINE HOUGH, MONA MACGREGORY, JOHN RUSSEL MASON, MARY K. SIMPSON, ROSE VICKERS.

Philosophy: CARRIE COX.

Physics: J. O. EISINGER, ELLIS HAWORTH, DOROTHY D. LADD, IRVING LINDSAY, J. C. MACNAB, O. RAMSAY, ROBERT H. WENDT, H. A. WHEELER, EDWIN L. WHITE.

Political Science: ELEANOR MCMURCHY, HARRY N. WIEGANDT.

FACULTY OF THE SCHOOL OF GRADUATE STUDIES

The President, Dean Henning, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Carroll, Bartsch, Franz, Smith, Ruediger, Schmidt, Moore, Humphreys, Richardson, Littlehales, Bassler, Kern, Croissant, Schapiro, Michelson, C. E. Hill, Cohen, Erwin, McNeil, Swett, Lapham, Whitmore, Brown, Doyle, Hitchcock, Griggs, Alden, Churchill, Miller, Donaldson, Lewis; Assistant Professors E. A. Hill, Kayser, Bolwell, Platt, Ames, Moss, Sutton; Messrs. Van Orstrand, Hankin, Miss Brigham.

FACULTY OF COLUMBIAN COLLEGE

The President, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Carroll, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt, Richardson, Bassler, Kern, Croissant, Coutinho, Schapiro, C. E. Hill, McNeil, Erwin, Swett, Lapham, Brown, Doyle, French, Griggs, Alden, Churchill, Miller; Miss Rose; Assistant Professors E. A. Hill, McArthur, Hodgkins, Bolwell, Kayser, Platt, Cheney, Resser, Sutton, Moss, Jones, Ames. Messrs. Cullom, Protzman, Cruikshanks, Phillips, Chance, Hankin, Diebert, Giddings, West, Sullivan, Morse; Miss Macmillan, Miss Brigham, Miss Evans.

FACULTY OF COLLEGE OF ENGINEERING

The President, Dean Miller, Professors Hodgkins, Schoenfeld, Wilbur, Henning, Bibb, Ruediger, Schmidt, Littlehales, Bassler, Kern, McNeil, Erwin,

Swett, Lapham, Brown, Doyle, French, Hitchcock, Partridge, Alden; Assistant Professors H. G. Hodgkins, Platt, Resser, Cheney, Ames, Smith, Cunningham; Messrs. Cullom, Protzman, Cruikshanks, Hankin, Deibert, Giddings, Morse.

FACULTY OF TEACHERS COLLEGE

The President, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin, Swett, Brown, Doyle, Griggs, Alden, Churchill, Miss Rose; Assistant Professors McArthur, Kayser, Bolwell, Cheney, Moss, Sutton; Messrs. Protzman, Deibert, West, Giddings, Sullivan, Morse, Miss Evans.

SCHOOL OF GRADUATE STUDIES

GRADUATE COUNCIL

DEAN GEO. N. HENNING, Chairman, ex-officio.

PROFESSOR T. B. BROWN AND W. C. RUEDIGER, terms expiring in 1924.

PROFESSORS G. M. CHURCHILL AND R. F. GRIGGS, terms expiring in 1925.

PROFESSORS D. C. CROISSANT AND C. E. HILL, terms expiring in 1926.

The Graduate Council has power to pass on students' petitions, to approve provisionally students' choice of studies for the degree of Ph. D., and such other powers as the Faculty of Graduate Studies may delegate.

HIGHER DEGREES

The higher degrees conferred in course by the University in the School of Graduate Studies are: Master of Arts (A. M.), Master of Science in Engineering (M. S. in Eng.), Master of Science in Chemistry (M. S. in Chem.), and Doctor of Philosophy (Ph. D.)

ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies or to the Registrar on application blanks, which may be obtained at either office. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Until such certificates are presented, registration is merely provisional. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

To be admitted to candidacy for the Master's degree a student must have completed an undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidates for pursuing the subjects chosen for the Master's or other higher degree sought.

Properly qualified students may be admitted as Students in Attendance, without becoming candidates for degrees.

CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean or the Registrar, and are liable for tuition charges until such notice is received. Notification to a professor, of withdrawal from his course, does not constitute notice of withdrawal.

DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

Candidates to attain the degree of A. M., M. S. in Eng. or M. S. in Chem., must complete successfully 24 semester hours of work, in addition to the thesis, forming a consistent plan of study. Courses may be elected from one, two or three departments. At least 12 semester hours, plus the thesis, must be in a

major subject. The candidate's choice of subjects must be approved by his major department. Whenever possible, it is advisable for students to consult members of the major department before registering.

First Section courses, "Primarily for Undergraduates," may under no circumstances be counted towards any higher degree, though a graduate student may be allowed or if necessary as a prerequisite for advanced courses may be required to take them without receiving academic credit. Second Section courses, "For Undergraduates and Graduates," may count towards a higher degree, only with the approval of the department concerned. Candidates must take at least one Third Section course, "Primarily for Graduates," unless excused by the major department.

Advanced courses taken in college may be counted to a limited extent towards a higher degree, provided that the student shall notify the Dean of the School of Graduate Studies at the beginning of each such course of his desire to count it towards such higher degree; but no work counted towards a Bachelor's degree shall be counted also towards a higher degree.

Part of the work for the Master's degree may be taken in the Medical School or the Law School, but work so taken cannot be counted both towards the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may not take more than 12 semester hours, plus his thesis, in the Medical School or Law School.

Advanced work in other institutions of learning may be credited towards the Master's degree in this University, to the extent of not more than 12 semester hours. No work, whether done here or elsewhere, will be credited towards a Master's degree unless the student attains at least grade "B" or its equivalent on work aggregating at least 12 semester-hours and at least grade "C" on the remainder.

A student who expects to continue his studies for the Ph. D. after receiving the Master's degree is strongly advised so to plan his course from the beginning that work done for the lower degree may count for the higher.

A candidate who takes his major work in Engineering shall register for the degree of M. S. in Eng.; in Chemistry, for the degree of M. S. in Chem.; in any other subject, for the degree of A. M.

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer session of 9 weeks, or three summer sessions of 9 weeks each, or four summer sessions of six weeks each. No credit shall be granted for work done in absentia, i. e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

Students taking courses only after 5 o'clock shall not be allowed to take over 18 semester hours in a year (as defined above). No student shall take courses aggregating more than 6 semester hours in one summer session, excepting by written permission of his major Department.

A candidate for a Master's degree must present a thesis in his major subject. The thesis, which counts six semester-hours towards the degree and is charged for at the same rates as courses, must be registered for by the candidate, preferably at the time of original registration. The choice of the thesis-subject must be approved by the Professor in charge of the major, and recorded at the Dean's office at least four months before the date on which the thesis is due. The student is expected to consult the professor in charge frequently in regard to the progress of work on the thesis. The thesis in its final form must have the approval of the Professor in order to count towards the degree. Attention is also called to "Regulations Regarding Theses," below.

COURSES IN THE AMERICAN UNIVERSITY

Certain courses in the American University may be taken with the consent of the Department concerned and in some cases will be prescribed in partial satisfaction of the requirements for advanced degrees.

DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred only upon students who have acquired a broad and thorough knowledge of their field of learning, as evidenced by courses followed or other formal instruction received, and who have shown marked ability in original research in some particular branch of that field, as proved by the results set forth in their theses. Formal requirements of courses and residence, although essential, are wholly subordinate to the above principle. In courses in which grades are assigned, whether followed here or elsewhere, the student must attain at least grade "B," or its equivalent, on one-half of his work and at least "C," or its equivalent, on the remainder.

ADMISSION TO REGISTRATION

Before the student can be admitted to registration for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Admission to registration does not necessarily imply admission to candidacy for the Ph.D.

ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree, the student must make application to the Dean on a blank provided for that purpose, not less than 12 months after receiving his Bachelor's degree. To be admitted to candidacy, the student must have fulfilled the following requirements not later than November 1 if he expects to graduate the following June, and not later than May 1 if he expects to graduate the following February: (a) Have satisfied the Departments of French and German that he can read understandingly, in the original, French and German works pertaining to his special field, and have satisfied such other

language-requirements as his major Department shall have prescribed; (b) Have passed his preliminary examination before the members of his Division; (c) Have selected his thesis-subject and received the approval of the subject by the major Department.

RESIDENCE

Before receiving the degree of Doctor of Philosophy, the candidate shall have spent at least three years, since receiving his baccalaureate degree, in graduate study in recognized institutions of learning. A part-time student shall be required to devote a proportionately longer time, the amount of additional time to be determined by the student's committee. In part satisfaction of residence requirements, the candidate, in addition to his research work, must follow regular courses to an amount prescribed by his committee. The candidate may be credited with work done at other approved institutions, but must spend at least his last year at this institution.

CHOICE OF STUDIES

Students must in general confine choice of studies to one of the Divisions enumerated below. At the option of the major department, all courses may be in that department, or some in other departments of the same Division, or some in one other Division.

DIVISIONS

- I. Languages and Literatures:
 - Classics, English,
 - Germanic, Romance, Semitic,
 - Comparative Literature.
- II. History and the Social Sciences:
 - Commerce, Economics and
 - Sociology, Education,
 - Ethnology, History, Law,
 - Political Science.
- III. Philosophy and Art:
 - Architecture, Art and
 - Archaeology, Education,
 - Philosophy, Psychology.
- IV. Mathematics and Physical Sciences:
 - Applied Mathematics, Architecture,
 - Astronomy, Astro-Physics,
 - Chemistry, Engineering (Chemical, Civil,
 - Electrical and Mechanical)
 - Mathematics, Meteorology,
 - Nautical Science, Physics.
- V. Biological Sciences:
 - Bacteriology, Botany, Ethnology,
 - Geology and Mineralogy, Medicine, Psychology,
 - Zoology.

GUIDANCE OF STUDENTS

In the pursuit of studies, the student shall be under the guidance of a committee consisting of the professors of the major department and any other professor under whom he shall take work counting towards his degree. This committee shall have power to determine what work he shall complete, in regular courses or otherwise, to approve his choice of a thesis-subject, to conduct all examinations, and to determine whether he shall be recommended for the degree.

EXAMINATIONS

Before being admitted to candidacy, the student (as provided above) shall pass a preliminary oral examination before his Division. Before being recommended for the degree, he shall pass a written examination, conducted by his committee, not later than one month before Commencement, on the general field of his major subject. If successful in this, he shall be given an oral examination, conducted by the members of his Division, on his thesis and any subjects bearing on his work. The questions and answers to the written examination, together with the decision of the examiners, shall be sent to the Dean not later than 10 days before Commencement and shall form part of the student's file.

THESES

Not later than the date specified in the University calendar, the candidate shall submit a typewritten copy of his thesis and also a typewritten summary of not more than 2500 words, of the thesis. The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin. After being notified that his thesis has been accepted, and before receiving his degree, the candidate shall pay to the Treasurer \$25.00 to meet the cost of printing.

Students who have received the degree of Ph. D. are urged to print their theses in full if possible.

GRADUATION

The degree of Ph. D. will be conferred only in June and in February.

REGULATIONS REGARDING MASTERS' AND DOCTORS' THESES

All theses for each degree sought must, in their final form, be presented by the student to the Dean by the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The title-page must read: [Title] by [name of candidate], a thesis submitted to the Faculty of graduate studies of George Washington University in part satisfaction of the requirements for the degree of [name of degree]. [Date.] The typewritten thesis must be in bound form.

The Dean will present theses to the Chairman of the Committees on the candidates, doctoral theses will further be submitted for examination to the co-referees appointed from the Faculty. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies.

THE COLLEGES

The College session of 1923-24 begins Wednesday, September 26, 1923.

The Colleges are open to men and women.

ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class may present certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. The Registrar will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be accepted.

The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

ENTRANCE EXAMINATIONS

The regular examinations for admission are held about June 1, and the schedule for examinations is issued May 20.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine and one-half units. These units upon which the examinations will be given are the following: the specified subjects—English (three units), Mathematics (two and one-half units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

Definition of Requirements

ENGLISH

(Three Units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relations of the various

parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:

A. Reading.—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this); Group II—Shakespeare; Group III—Prose Fiction; Group IV—Essays, Biography, etc.; Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

B. Study.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I, DRAMA

Shakespeare: Julius Cæsar, Macbeth, or Hamlet.

GROUP II, POETRY

Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*.

Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III, ORATORY

Burke: *Speech on Conciliation with America*.

Macaulay's *Two Speeches on Copyright*, and Lincoln's *Speech at Cooper Union*.

Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

GROUP IV, ESSAYS

Carlyle: *Essay on Burns*, with a selection from Burns' Poems.

Macaulay: *Life of Johnson*.

Emerson: *Essay on Manners*.

A test on the books prescribed under the *Study* groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington High Schools.

LATIN

Elementary (two units)

a. I. Latin Grammar: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Cæsar.

b. Cæsar: Any four books of the Gallic War, preferably the first four.

Advanced (two units)

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Cataline, Archias, the Manilian Law, Marcellus, Rosius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of *Æneid*.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

GREEK

Elementary (two units)

a. I. Greek Grammar: The topics of the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. Xenophon: The first four books of the *Anabasis*.

Advanced (one unit)

a. Homer: The first three books of the *Iliad* (omitting II, 494, to end).

b. Sight Translation, based on prose of no greater difficulty than Xenophon's *Anabasis*.

FRENCH

Elementary (two units)

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the

common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duodecimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-years' course of five periods per week.

Advanced (two units)

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1,000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four-years' course of five periods per week.

Fraser and Squair's French Grammar or Grandgent's Essentials of French Grammar is recommended.

SPANISH

(Two units)

Candidates in Spanish must have a good knowledge of grammar, including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-years' course of five periods per week.

GERMAN

Elementary (two units)

Candidates in Elementary German must have had a two-years' course of five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units)

Candidates in Advanced German must have had a four-years' course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller, and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

HISTORY

In this subject special importance is attached to preparation in geography.

Ancient (one unit)

a. Greek History, through the Roman Conquest; as much as is contained in Myer's, Bottsford's, or West's History of Greece.

b. Roman History; as much as is contained in Allen's, Bottsford's, or West's History of the Roman People.

Mediaeval History (one unit)

As much as is contained in the first twenty chapters of Robinson's Mediaeval and Modern Times.

Modern European History (one unit)

As much as is contained in Robinson's Mediaeval and Modern Times from Chapter 21 to the end.

English History (one unit)

As much as is contained in Larned's or Cheyney's History of England.

American History with the Elements of Civil Government (one unit)

As much as is contained in Fiske's History of the United States, and Fiske's Civil Government.

MATHEMATICS

Elementary Algebra (one unit)

Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

Intermediate Algebra (one-half unit)

Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit)

The progressions; the elementary treatment of permutations and combinations; the use of four and five-place tables of logarithms; undetermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit)

General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit)

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

Plane Trigonometry (one-half unit)

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

PHYSICS*(One unit)*

It is recommended that the candidate's preparation should include:

- a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

The laboratory note-book must be submitted for inspection, whether the candidate is admitted on certificate or by examination.

CHEMISTRY*(One unit)*

The candidate's preparation in chemistry should include:

- a. Individual laboratory work, comprising at least forty experiments of a character analogous to those set forth by the College Entrance Examination Board. The laboratory note-book must be submitted for inspection.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one modern text-book.

Requirements.—The ground to be covered should include the following: The chief physical and chemical characteristics, the isolation and the recognition of the following elements and the preparation and study of their principal compounds: *Oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur, phosphorus, silicon, potassium, sodium, calcium, magnesium, zinc, copper, mercury, silver, aluminum, lead, tin, iron, manganese, chromium.*

The more detailed study should be confined to the italicized elements (as such) and to a restricted list of compounds, such as water, hydrochloric acid, carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen sulphide, sodium hydroxide, ammonium hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flame, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and on Boyle's and Charles' laws, symbols, formulas, equations and nomenclature, atomic theory, atomic weights, nascent state, natural groups of the elements, solution (solvents and solubility of gases, liquids, and solids), strength of acids and bases, conservation and dissipation of energy, chemical energy and electrolysis, and of valence, electrolytic dissociation, osmosis, mass action in a very elementary way. Chemical terms should be clearly understood,

and the student should be able to illustrate and apply the ideas that they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts. The facts should be given as examples from various classes and not as isolated things.

ADDITIONAL SUBJECTS

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

Manual-training High School Subjects

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units).

Business High School Subjects

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

ADMISSION TO ADVANCED STANDING

Due credit is given for properly certified courses of study pursued in other colleges and universities.

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September fifteenth. All scholarships except the Kendall Scholarship, the Elma Lewis Harvey Scholarship, and the University Scholarships are awarded for one year only, but they may be renewed. Any student holding a scholarship who fails to obtain a general average of 85 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarships will be revoked. All scholarships are awarded by the Faculty of Arts and Sciences on recommendation of its Committee on Scholarships and other University aid.

SCHOLARSHIPS FOR COMPETITION

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.

Kendall Scholarship.—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington High Schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory and graduation fees.

University Scholarships.—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington High Schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory, and graduation fees.

SCHOLARSHIPS FOR ASSIGNMENTS

Davis Scholarship.—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

Mary Lowell Stone Scholarship.—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

Maria M. Carter Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

Farnham Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

Withington Scholarship.—This scholarship was founded in 1830, by the New York Baptist Theological Seminary, to be known as the Withington scholarship. It has annual stipend in tuition fees of sixty dollars.

Walker Scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Nellie Maynard Knapp Scholarship Fund.—A fund of \$5,000 established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

Henry Harding Carter Scholarships.—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, consist of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Byron Andrews Scholarship Fund.—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Founders of Columbian Women Scholarships.—This scholarship was established by the Columbian Women in 1920. At present it consists of a fund of \$1,800 the income from which may be assigned to a deserving woman student. Application may be made to any of the Deans of the Department of Arts and Sciences.

The Elma Lewis Harvey Scholarship.—This scholarship was founded in 1921 by Mrs. Emma Elizabeth Harvey, in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

The John Hitz Metzgerott Scholarship.—This scholarship was established in 1923 in memory of John Hitz Metzgerott, M. D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession.

The David Spencer Scholarship Fund.—This fund was established by a bequest from Louisa J. Spencer. The income is used to aid in defraying the expenses of students who meet certain conditions established by the terms of the bequest.

Admiral Powell Endowment.—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examinations as warrant officers in the Engineer Department of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

	Hours
Navigation and Nautical Astronomy.....	4
Algebra and Geometry.....	6
Trigonometry.....	3
Mechanical and Machine Drawing.....	8
English.....	6

	<i>Hours</i>
French.....	6
German.....	6
Spanish.....	6
International Law.....	6
Commercial Geography.....	6
Boilers and Power Plants.....	3
Mechanical Laboratory.....	4
Electrical Engineering.....	6

Ministerial Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

University Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Department of Arts and Sciences, whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

PRIZES

(Only candidates for degrees may compete for these prizes.)

Staughton and Elton Prizes.—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

Ruggles Prizes.—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Davis Prizes.—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

Daughters of the American Revolution Prize.—This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of a gold medal, awarded annually to the student in the graduating class who,

having maintained a high standing in the several courses in History offered by the University, shall produce the best essay upon an assigned topic of American history.

The Thomas F. Walsh Prize.—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the several courses in History, shall produce the best essay upon a designated period of the History of England in its association with the History of Ireland.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Willie E. Fitch Prize.—The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.

The Gardiner G. Hubbard Memorial Prize.—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the several classes in History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Muth Prize.—Geo. F. Muth and Company offer a slide rule to the student who makes the highest record in Mechanical Drawing 1.

Colonial History Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

James Macbride Sterrett, Jr., Prize.—Founded by Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

The Chi Omega Prize in Sociology.—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a sociological subject to be announced by the Committee in Charge. Essays must meet the requirements defined by the Committee and be submitted on or before April 1.

Sigma Kappa English Prize.—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Fraternity to the student passing the

best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Pi Beta Phi Prize in Political Science.—The Pi Beta Phi Fraternity has set aside ten dollars as a prize for the best essay written during the year by a student of political science on a subject approved by the instructor. The essays must be submitted by May first.

Pi Beta Phi Prize in Education.—An annual prize of ten dollars is offered by the Pi Beta Phi Fraternity for the best essay on an educational topic. The essays will be judged by a committee of three, consisting of the Professor of Education and two others designated by him. The essays must be submitted by May first.

Phi Mu Prize in Playwriting.—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

Sigma Kappa Prize in Chemistry.—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Fraternity to that student who passes the best examination in Chemistry, 1, 2 and 23.

Genevieve Chatterton McCutchins Prizes.—Two cash prizes of \$25.00 and \$15.00, based on the income of a memorial fund of one thousand dollars, to be awarded annually for the best and the next best essays on subjects connected with Archaeology or Painting. In their award consideration will be given to students' knowledge of contemporary literature, history, or music, as relating to the progress of the fine arts. These prizes are open to both graduates and undergraduates.

Kappa Alpha Prize in Economics.—An annual prize of ten dollars is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

Alchemists Prize.—The Alchemists offer annually a gold medal to the graduating student who has attained the highest average in Chemical subjects, provided that he has completed an amount of Chemistry equal to the minimum required for a degree in Chemistry or Chemical Engineering and that at least three-fourths of this work has been done at George Washington University.

Dietzen Prize.—The Eugene Dietzen Co. offers a drop bow pen to the student making the highest record in Machine Drawing.

Sigma Tau Prize.—The Xi Chapter of Sigma Tau offers annually a gold medal to the student in the College of Engineering who presents the best paper before the Engineering Society. Only those who have not completed the required number of credit hours to become a Junior (70) are eligible to compete.

Goddard Medal in Commerce.—This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in memory of Morgan Richardson Goddard, and is awarded to the student making the highest average in Commerce. The prize consists of a gold medal and twenty-five dollars in gold.

Goddard Medal in Pharmacy.—This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in memory of James Douglas Goddard, and is awarded to the student making the highest average in Pharmacy.

Goddard Medal in French.—This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in memory of Edward Carrington Goddard, class '81, and is awarded to the student making the highest average in the French language and literature.

Círculo Español Cervantes Medal.—The Spanish club of the University, El Círculo Español, offers annually a bronze medal for the best essay dealing with a subject chosen from the life or works of Miguel de Cervantes Saavedra. Essays must be submitted on or before April 1, and the prize will be awarded on April 23, the anniversary of the death of Cervantes.

Phi Sigma Prize in Chemistry.—A gold medal is offered annually by Phi Sigma Sorority to that woman student who maintains the highest average standing in Chemistry 1 and 2, exclusive of second semester final examinations.

DAVIS PRIZE SPEAKING

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to Professor Croissant not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee consisting of three members, appointed by the Department of English.

PRIZE AWARDS, 1921-1922

Davis Prizes.—First Prize, Edward Scheuffler. Second Prize, Carrie Juliet Cox. Third Prize, Theodore Cuyler Anderson.

Daughters of the American Revolution Prize.—Otho Lionel Newman.

Thomas F. Walsh Prize.—Nell Boyd Taylor.

E. K. Cutter Prize.—Elizabeth Earnest.

Willie E. Fitch Prize.—Ellis Haworth.

Gardner G. Hubbard Prize.—Gladys Rosamond Twele.

Dietzgen Prize.—W. H. Seaquist.

Staughton Prize.—Elizabeth McNeely Kehr.

Sigma Tau Prize.—Charles Roy Howe.

Pi Beta Phi Prize.—Harry N. Wiegandt.

Muth Prize.—E. W. Proctor.

Sigma Kappa Prize in English.—Thelma Hunt.

Colonial Dames Prize.—Harry Nicholas Wiegandt.
Genevieve Chatterton McCutchins Prizes.—First Prize, Laura K. Pollock.
 Second Prize, W. Waldo Girdner.
Chi Omega Prize.—Alma Paralee Dehler.

HIGH SCHOOL SCHOLARSHIPS 1921-1922

Kendall Scholarship.—Esther Dobson, Central High School.
First University.—Louise Bannerman, Central High School.
Second University.—Frances Randolph, Central High School.
Third University.—Vivian Bane, Central High School.
Fourth University.—Adrien Busick, Western High School.
Fifth University.—R. Campbell Starr, Central High School.
Sixth University.—Elizabeth Dorsey, Western High School.

COLLEGE CHAPEL

Chapel Services are held at 12.20 p. m., Monday, Wednesday, and Friday, throughout the academic year.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will cooperate with them in all ways to make the college life one of personal helpfulness.

For catalogues, application blanks, and further information, address

THE REGISTRAR,
The George Washington University,
 2033 G Street, Washington, D. C.

FEES

1. Annual registration fee.....	\$2
2. Tuition fee for each semester-hour credit of courses leading to the degrees of A. B., B. S., A. M., M. S., C. E., E. E., M. E.....	6
The maximum fee charged in any one year is \$180.	
3. Tuition fee per annum for graduate courses leading to the degree of Ph. D.....	180
4. Registration fee for students taking problems of the Beaux Arts Society	5
5. Laboratory courses:	
Material fees:	
Experimental Psychology.....	2
Botany 1, Geology 1, Zoology 1, 2, 3, each.....	5
Chemistry 2, 3, 7, 28, 30, each.....	10
Chemistry 4 (Assaying).....	20
Chemistry 8, 31, each.....	5
Chemistry 20, 21, 25, 32, each.....	25
Domestic Science 1, 2, 3, 4, each.....	10
Electrical Engineering 4, 5, each.....	5
Electrical Engineering 24.....	10
Mechanical Engineering 9, 10, 11, each.....	5
Physics 2, 4, each.....	10

5.—*cont'd.*

Physics 28.....	\$5
Preventive Medicine 51.....	10
Deposits to cover breakage of apparatus issued, the amount paid in excess of breakage to be returned:	
Chemistry 2, 3, 7, 8, 28, 30 and 31 each.....	10
Chemistry 20, 32, each.....	15
Chemistry 21 and 25, each.....	20
6. Microscope rental in Botany 1 and Zoology 1, 3.....	5
7. Tuition fee for the following special course, not taken by candidates for a degree:	
Chemistry 4 (Assaying).....	40
8. Reinstatement fee.....	2
9. Fee for certificates under the seal of the University.....	2
10. Fee for graduation.....	10

Students are registered for the college year unless otherwise stated on the registration paper. All requests for withdrawals or for changes in courses of study must be made in writing to the Dean or Registrar, and a student is liable for all charges for the courses for which he has registered unless changes are approved by the Dean or Registrar.

All charges are by the scholastic year. Registration, library and other special fees and laboratory deposits are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance.

A student is not entitled to attend a class until his registration has been approved by the Dean or Registrar and payment has been made at the Treasurer's office. The first payment is due not later than October first, and subsequent monthly payments are due on the first of each following month. In case a student fails to make his monthly payments promptly he may be excluded from classes. Continued delay in making payments will be followed by dismissal of the student from the University.

Students will not be assigned desks in the Chemical Laboratory until they exhibit a receipt for the payment of the laboratory deposit, or present an authorization from the Dean.

Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for \$200, for which a charge of \$3.00 will be made.

All fees are payable at the office of the Treasurer of the University, 2033 G Street.

COLUMBIAN COLLEGE

ADMISSION

Candidates for admission to the Freshman Class in Columbia College must meet the general admission requirement (p. 23) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirement must include English, 3 units; Algebra, 1 unit; Plane Geometry, 1 unit; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

No secondary school work is credited towards a college degree. For admission to advanced standing or as special students, see p. 29.

REQUIREMENTS FOR DEGREES

The undergraduate degrees offered by Columbia College are Bachelor of Arts, and Bachelor of Science in Medicine. To be recommended for either of these degrees, the student must satisfy the admission requirements, and must complete at least one hundred and twenty semester-hours of undergraduate courses *at least twenty-four semester-hours of which (or eighteen semester-hours in the combined courses), and one year in residence, must be completed in the Department of Arts and Sciences.* Residence may be satisfied, in whole or in part, in the Summer School, by periods aggregating not less than twenty-four weeks. A semester-hour of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed and the residence requirement satisfied.

Amount of Work.—Fifteen hours a week constitutes a normal year's work. More than eighteen hours may not be taken, except under unusual circumstances, with special permission.

Grade for Graduation.—Two-thirds of the minimum number of semester hours required for graduation must be passed with a grade of "C" or over.

"With Distinction."—One grade of special distinction is recognized in awarding the bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least B (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the Department in which the student shall be studying for a degree;

"That the Faculty, after separate consideration of each individual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

Suggestions.—Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects

are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at five-ten o'clock or at six o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for four o'clock. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester-hours, and satisfy the specifications of a curriculum group.

There are four curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

THE CURRICULUM GROUPS

- | | |
|---------------|------------------|
| I. General. | III. Pre-Legal. |
| II. Commerce. | IV. Pre-Medical. |

I—GENERAL

FRESHMAN YEAR

	Semester Hours
English 1 or 2.....	6
Foreign Language.....	6
History or Political Science.....	6
Mathematics or Natural Science.....	6
Elective.....	6
Total.....	30

Electives Open to Freshmen

Chemistry 1 and 2.	Mathematics.
Botany 1 and 2.	History.
English 5 or 6.	Physics 3 or 4.
Foreign Languages.	Political Science 1 and 3 or 2 and 4.
Geology.	Zoology 1.

A foreign language that is begun in the Freshman year must be continued in the Sophomore year. *This applies to each of the four groups.*

SOPHOMORE YEAR

English 5 or 6.....	6
Foreign Language.....	6
History or other Social Science.....	6
Elective.....	12
	30

Sophomores are free to elect any first or second section subject for which the work of the Freshman year has prepared them.

JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, subject to the following restrictions:

1. Before graduation a major of not less than 24 semester hours must be completed in an approved subject, usually one of the following:

Ancient Language.	Home Economics.
Art.	Mathematics.
Biological Science.	Modern Language.
Economics and Commerce.	Philosophy and Psychology.
English.	Physical Science.
History.	Political Science.

2. Students majoring in Ancient Language must complete a third-year college course in at least one modern language. They are advised to elect ancient history and archaeology.

3. Students majoring in Modern Languages must complete a fourth-year college course in one modern language and a third-year college course in a second modern language.

4. Students majoring in Physical Science must complete mathematics through calculus.

5. Students majoring in Home Economics must complete Chemistry 1 and 2.

6. Not less than 48 semester hours of work shall consist of second and third section courses.

II—COMMERCE

(Foreign and Domestic)

	Semester Hours
FRESHMAN YEAR	
English 1 or 2.....	6
Modern Language.....	6
European History.....	6
Political Science 1 and 3 or 2 and 4.....	6
Elective.....	6
	30
SOPHOMORE YEAR	
Economics 1 or 2.....	6
Modern Language.....	6
American History.....	6
Elective.....	12
	30

JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, except that a minimum of twenty-four semester-hours must be chosen from courses pertaining to foreign or domestic commerce.

Domestic Commerce.—Students majoring in Domestic Commerce are advised to take Industrial and Commercial Geography; their attention is also directed, not only to the various courses, such as Commercial and Maritime Law, Railway

Transportation, and Ocean Transportation, listed in the catalogue under the heading "Commerce," but also to courses described under other headings, such as Money and Banking, Public Finance, Accounting, Statistics, and other courses in Economics, the various courses in Political Science and in History, Applied Psychology, and Industrial Management.

Foreign Commerce.—Students majoring in Foreign Commerce are advised to take Industrial and Commercial Geography, Foreign Trade, and International Economic Relations; their attention is also directed to the courses in Commercial and Maritime Law, and Ocean Transportation, and to various courses listed under other headings, such as International Law, International Relations, Governments and Politics of the Far East, Governments and Politics of Latin-America, and courses in Economics, History, and Modern Languages.

III—PRE-LEGAL		Semester
FRESHMAN YEAR		Hours
English 1 or 2.....	6	
Mathematics or Natural Science.....	6	
History.....	6	
Political Science 1 and 3 or 2 and 4.....	6	
Elective.....	6	
	30	
SOPHOMORE YEAR		
English History.....	6	
Economics 1 or 2.....	6	
Logic and Ethics.....	6	
Elective.....	12	
	30	

JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, subject to the same restrictions as that of Group I.

IV—PRE-MEDICAL		
FRESHMAN YEAR		
Chemistry 1 and 2.....	10	
Zoology 3.....	8	
English 1 or 2.....	6	
Modern Language.....	6	
	30	
SOPHOMORE YEAR		Semester Hours
Physics 3 and 4.....	10	
Chemistry 8.....	6	
Modern Language.....	6	
Psychology.....	6	
Elective.....	6	
	34	

JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, subject to the same restrictions as that of Group I.

COMBINED SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester-hours. On the completion of ninety semester-hours of work in college, *at least eighteen semester-hours of which must be taken in the Department of Arts and Sciences*, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

COMBINED SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester-hours. On the completion of ninety semester-hours of credit in college, *at least eighteen semester-hours of which must be taken in the Department of Arts and Sciences*, including all of the required subjects in some one of the curriculum groups, preferably Group IV, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirements for entrance into the Consular and Diplomatic Service and the Field Service of the Bureau of Foreign and Domestic Commerce, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher positions in the service to which he may be appointed.

Regular students who are preparing for the Government Service should register for the General Curriculum Group or for the Commerce Group (Domestic or Foreign) of the curriculum requirements for the degree of Bachelor of Arts, and should elect, also, the subjects named in Section 2 of the "Regulations Governing Examinations Promulgated by the Board of Examiners, December 13, 1906" for the field service of the Department of State, or the subjects named in Section 4 of "Qualification Standards for Field Service" from "Appointments to Positions at Home and Abroad in the Bureau of Foreign and Domestic Commerce," published in 1922.

**REGULATIONS GOVERNING EXAMINATIONS PROMULGATED
BY THE BOARD OF EXAMINERS, DECEMBER 13, 1906.***

Section 2 reads as follows: The examinations will consist of an oral and a written one, the two counting equally. The object of the oral examination will be to determine the candidate's business ability, alertness, general contemporary information, and natural fitness for the service, including moral, mental, and physical qualifications, character, address, and general education and good command of English. In this part of the examination the applications previously filed will be given due weight by the Board of Examiners, especially as evidence of the applicant's business experience and ability. The written examination will include those subjects mentioned in the Executive order, to-wit, at least one modern language other than English—French, German, or Spanish;* the natural, industrial, and commercial resources and the commerce of the United States, especially with reference to possibilities of increasing and extending the foreign trade of the United States; political economy, and the elements of international, commercial, and maritime law. It will likewise include American history, government, and institutions; political and commercial geography; arithmetic (as used in commercial statistics, tariff calculations, exchange, accounts, etc.); the modern history, since 1850, of Europe, Latin America, and the Far East, with particular attention to political, commercial, and economic tendencies. In the written examination, composition, grammar, punctuation, spelling, and writing will be given attention.

Students who seek a designation for consular and diplomatic examination should apply to the Department of State for full information. Consular service examinations are held in Washington only.

"QUALIFICATION STANDARDS FOR FIELD SERVICE," FROM "APPOINTMENTS TO POSITIONS AT HOME AND ABROAD IN THE BUREAU OF FOREIGN AND DOMESTIC COMMERCE, 1922:"

Section 4 reads, in part, as follows:

..... some of the requirements may be enumerated as follows:

(f) Knowledge of the fundamental principles as well as the practical routine and the chief problems of international trade.

(g) General knowledge of the history, institutions, and present economic conditions of the country in which the assignment is made.

(h) Thorough understanding of the principles of political economy and their application to domestic and foreign commerce.

(i) A broad knowledge of the resources of the United States and familiarity with the industrial development of the country in its relation to the export trade.

(j) Some knowledge of international law, diplomatic procedure, and the methods and regulations of Government departments and bureaus is desirable.

* As amended by Board of Examiners, February 18, 1911.

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

[This course for the degree of Bachelor of Science in Medicine will be discontinued from the end of the College session of 1923-1924.]

Regular students in this course will complete in two years the prescribed work in college, at least eighteen semester-hours of which must be taken in the Department of Arts and Sciences, and the four-year course in the Medical School. On the completion of this six-year course the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the Freshman and Sophomore years in college, including the pre-medical requirements, is as follows:

	Semester Hours
FRESHMAN YEAR	
Chemistry 1 and 2.....	10
English 1 or 2.....	6
French or German.....	6
Zoology 3.....	8
Electives.....	6
	<hr/> 36
SOPHOMORE YEAR	
Chemistry 8.....	6
French, German or Spanish.....	6
Psychology.....	6
Physics 3 and 4.....	10
Electives other than Natural Science.....	8
	<hr/> 36

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

FIRST YEAR

Chemistry 1 and 2.....	10
English 1 or 2.....	6
Zoology 3.....	8
Electives (preferably French or German).....	6
Total semester-hours.....	<hr/> 30

SECOND YEAR

	Semester Hours
Physics 3 and 4.....	10
Chemistry 8.....	6
Electives other than Natural Science.....	14
Total semester-hours.....	<hr/> 30

NOTE.—The Council on Medical Education of the American Association states:—"Of the 60 semester-hours required as the measurement of 2 years' work, at least 18, including the 6 semester-hours in English, should be in subjects other than the physical, chemical, or biologic science."

COLLEGE OF ENGINEERING

ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering and Physics Courses are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English.....	3
Foreign Language (preferably French, German or Spanish).....	2
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry.....	½
Chemistry.....	1
Physics.....	1
Electives.....	4
	—
Total.....	15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

English.....	3
Foreign Language (preferably French, German or Spanish).....	2
Plane Geometry.....	1
Elementary and Intermediate Algebra.....	1½
Chemistry.....	1
Electives.....	6½
	—
Total.....	15

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

English.....	3
Foreign Language (preferably French, German or Spanish).....	2
History.....	1
Chemistry.....	1
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry.....	½
Electives.....	4
	—
Total.....	15

For detailed description of the requirements in each preparatory subject, see page 23.

For admission to advanced standing or as a special student, see page 29.

COURSES FOR A DEGREE

Seven courses are offered:

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. MECHANICAL ENGINEERING.
- IV. CHEMICAL ENGINEERING.
- V. CHEMISTRY.
- VI. ARCHITECTURE.
- VII. PHYSICS.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry, in Architecture and in Physics, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate engineering degrees, and lead to the degree of Master of Science in Engineering.

PART-TIME STUDENTS

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from five-ten o'clock to six-fifty; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

REQUIREMENTS FOR A DEGREE

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 63, to which reference should be made for more complete description.

CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

FRESHMAN YEAR	Semester-Hour
	Credits
Chemistry 1, 7.....	10
General Chemistry and Qualitative Analysis.	
English 1 or 2.....	6
Rhetoric.	
French, German or Spanish.....	6
Mechanical Drawing 1, 8.....	6
Mechanical Drawing; Descriptive Geometry.	
Mathematics 9 or 12.....	6
Trigonometry; Analytic Geometry.	

	<i>Semester-Hour Credits</i>
SOPHOMORE YEAR	
Civil Engineering 1, 3, 4.....	16
Surveying; Highway Engineering; Materials of Construction.	
Commerce 33.....	4
Commercial Law.	
Mathematics 18 or 19.....	6
Calculus.	
Physics 1, 2.....	10
General Physics; Laboratory Physics.	

JUNIOR YEAR	
Applied Mathematics, 20, 21, 22.....	12
Mechanics; Hydraulics, Mechanics or Materials.	
Civil Engineering 2, 22.....	12
Railroad Engineering; Theory of Structures.	
Electrical Engineering 1.....	4
Engineering Electricity.	
Geology 21 (or Geology 2).....	4
Engineering Geology.	
Mechanical Engineering 9.....	2
Engineering Laboratory.	
Electives.....	2

SENIOR YEAR	
Architecture 43.....	
Specification Writing.....	2
Civil Engineering 21, 23, 24, 27.....	26
Hydraulic Engineering; Theory of Structures; Sanitary Engineering; Reinforced Concrete.	
Mechanical Engineering 33.....	
Engineering Economics.....	2
Electives.....	2

**ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

FRESHMAN YEAR

Identical with the Civil Engineering Course.

SOPHOMORE YEAR

Civil Engineering 4.....	4
Materials of Construction.	
Commerce 33.....	4
Commercial Law.	
Mathematics 18 or 19.....	6
Calculus.	
Mechanical Drawing 2.....	4
Machine Drawing.	

	<i>Sophomore Year—Cont'd</i>	<i>Semester-Hour Credits</i>
Mechanical Engineering 1.....	Mechanism.	8
Physics 1, 2.....	General Physics; Laboratory Physics.	10

JUNIOR YEAR

Applied Mathematics 20, 21, 22.....	Mechanics; Hydraulics; Mechanics of Materials.	12
Civil Engineering 5.....	Elementary Surveying.	2
Electrical Engineering 2, 4, 5.....	Direct Current Theory and Machinery; Electrical Engineering Laboratory.	10
Mechanical Engineering 9, 20.....	Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories.	8
Electives.....		2

SENIOR YEAR

Architecture 43.....	Specification Writing.....	2
Electrical Engineering 21, 22, 23, 24, 27, 28, 29, 30.....	Alternating Currents; Electrical Distribution; Electrical Applications; Electrical Engineering Laboratory; Electric Railways; Telephones and Telegraph; Electric Illumination; Design.	26
Mechanical Engineering 10, 23.....	Engineering Laboratory; Hydraulic Machinery.	4
Mechanical Engineering 33.....	Engineering Economics.....	2

**MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING****FRESHMAN YEAR**

Identical with the Civil Engineering Course.

SOPHOMORE YEAR

Civil Engineering 4.....	Materials of Construction.	4
Commerce 33.....	Commercial Law.	4
Mathematics 18 or 19.....	Calculus.	6
Mechanical Drawing 2.....	Machine Drawing.	4

<i>Sophomore Year—Cont'd</i>	<i>Semester-Hour Credits</i>
Mechanical Engineering 1..... Mechanism.	8
Physics 1, 2..... General Physics; Laboratory Physics.	10

JUNIOR YEAR

Applied Mathematics 20, 21, 22..... Mechanics; Hydraulics; Mechanics of Materials.	12
Civil Engineering 22..... Theory of Structures.	3
Mechanical Engineering 9, 20, 24, 27, 32, 33..... Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories; Methods of Manufacture; Power Plant Problems; Industrial Management; Engineering Eco- nomics.	16
Electrical Engineering 1..... Engineering Electricity.	4

SENIOR YEAR

Architecture 43..... Specification Writing.....	2
Civil Engineering 5..... Surveying Instruments; Foundations.	2
Electrical Engineering 4, 5..... Electrical Laboratory.	4
Mechanical Engineering 10, 11, 23, 25, 29, 30, 31, 34..... Engineering Laboratory; Hydraulic Machinery; Machine Design; Heating and Ventilating; Gas Engines; Steam Turbines; Refrigeration.	19
Electives.....	8

**CHEMICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING****FRESHMAN YEAR**

Chemistry 1, 7..... General Chemistry and Qualitative Analysis.	10
English 1 or 2..... Rhetoric.	6
Modern Language (German recommended).....	6
Mathematics 9 or 12..... Trigonometry; Analytic Geometry.	6
Mechanical Drawing 1..... Mechanical Drawing.	4

	<i>Semester-Hour Credits</i>
SOPHOMORE YEAR	
Chemistry 3, 23.....	8
Chemical Laboratory; Organic Chemistry.	
Geology 1.....	4
Mineralogy.	
Mathematics 18 or 19.....	6
Calculus.	
Mechanical Engineering 1.....	8
Mechanism.	
Physics 1 and 2.....	10
General Physics, Laboratory Physics.	
JUNIOR YEAR	
Applied Mathematics 20, 22.....	8
Mechanics; Mechanics of Materials.	
Chemistry 21, 24.....	12
Quantitative Analysis; Organic Chemistry.	
Commerce 33.....	4
Commercial Law.	
Electrical Engineering 1.....	4
Engineering Electricity.	
Mechanical Engineering 20.....	6
Thermodynamics, Steam Boilers and Power Plant Accessories.	
Electives.....	2
SENIOR YEAR	
Applied Mathematics 21.....	4
Hydraulics.	
Chemistry 25, 26, 29, 34.....	22
Organic Laboratory; Physical Chemistry; Industrial Chemistry; Chemical Engineering.	
Mechanical Engineering 9, 10.....	4
Mechanical Laboratory.	
Architecture 45.....	2
Specifications.	
Mechanical Engineering 33.....	2
Engineering Economics.	
Electives.....	2
CHEMICAL COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMISTRY	
FRESHMAN YEAR	
Chemistry 1, 2.....	10
General Chemistry; Laboratory Practice.	
English 1 or 2.....	6
Rhetoric.	

<i>Freshman Year—Cont'd</i>	<i>Semester-Hours</i>	<i>Credits</i>
Modern Language (German recommended).....	6	6
Mathematics 3 or 6.....	6	6
College Algebra; Solid Geometry; Elementary Trigonometry.		
Mechanical Drawing 1.....	4	4
Mechanical Drawing.		

SOPHOMORE YEAR

Chemistry 3, 20.....	10	
Chemical Laboratory; Qualitative Analysis.		
Modern Language (German recommended).....	6	6
Mathematics 9 or 12.....	6	6
Trigonometry; Analytic Geometry.		
Physics 3, 4.....	10	10
General Physics; Physics Laboratory.		
Electives.....	4	4

JUNIOR YEAR

Chemistry 21 (4), 23.....	12	
Quantitative Analysis; Organic Chemistry.		
Commerce 33.....	4	4
Commercial Law.		
French, German or Spanish.....	6	6
Geology 1.....	4	4
Mineralogy.		
Mathematics 18 or 19.....	6	6
Calculus.		
Electives.....	4	4

SENIOR YEAR

Chemistry 24, 25, 26, 27, 29.....	26	
Organic Chemistry; Organic Laboratory; Physical Chemistry; Stereo-Chemistry; Industrial Chemistry.		
Geology 2.....	4	4
General Geology.		
Electives.....	6	6

**COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN ARCHITECTURE****FRESHMAN YEAR**

Architecture 2, 3, 4.....	14	
Free-hand Drawing; Architectural Drawing and Elementary Design; Projections; Shades, Shadows and Perspective.		
English 1 or 2.....	6	6
Rhetoric.		
French.....	6	6
Mathematics 9 or 12.....	6	6
Trigonometry; Analytic Geometry.		

	<i>Semester-Hour Credits</i>
SOPHOMORE YEAR	
Architecture 5, 6, 8.....	18
Architectural Design; Free-hand Drawing; History of Architecture.	
English 5 or 6.....	6
English Literature.	
French.....	6
Geology 2.....	4
JUNIOR YEAR	
Architecture 20, 21, 22, 24, 25, 33, 41.....	30
History of Architecture; Building Construction; Sanitation; Pen and Ink Rendering; Design; Water Color; Heating and Venti- lating.	
Physics 1 or 3.....	6
General Physics.	
SENIOR YEAR	
Architecture 27, 28, 29, 40, 43, 44.....	30
Design; History of Painting and Sculpture; Building Construction; Water Color; Office Practice; Advanced Construction.	
Commerce 33.....	4
Commercial Law.	
Electrical Engineering 29.....	2
Electric Illumination.	
Electives.....	2

**PHYSICAL SCIENCE COURSE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN PHYSICS**

FRESHMAN YEAR	
Chemistry 1, 7.....	10
General Chemistry and Quantitative Analysis.	
English 1 or 2.....	6
Rhetoric.	
French, German or Spanish.....	6
Mathematics 9 or 12.....	6
Trigonometry and Analytic Geometry.	
Mechanical Drawing 1, 8.....	6
Mechanical Drawing and Descriptive Geometry.	
SOPHOMORE YEAR	
Chemistry 8.....	6
Elementary Organic Chemistry.	
French, German or Spanish.....	6
Mathematics 18 or 19.....	6
Calculus.	

	Semester-Hour
<i>Sophomore Year—Cont'd</i>	<i>Credits</i>
Mechanical Engineering 1.....	8
Mechanism.	
Physics 1, 2.....	10
General Physics and Laboratory Physics.	

JUNIOR YEAR

Chemistry 26.....	4
Physical Chemistry.	
Economics 1 or 2.....	6
General Economics.	
Physics 20 (or 23).....	6
Heat and Thermodynamics, Mechanics and Sound.	
Physics 25.....	6
Advanced Laboratory.	
Electives *.....	14

SENIOR YEAR

Mathematics 30.....	4
Differential Equations.	
Physics 23 or 20.....	6
Light, Electricity and Magnetism.	
Physics 25.....	8
Advanced Laboratory.	
Electives *.....	16

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

FEES

The annual tuition fee for a student taking courses aggregating fifteen or more hours a week throughout the year is one hundred and eighty dollars. Part-time students pay in accordance with the amount of work taken, the fee being six dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on pages 36.

* It is advised that the electives include Physics 22 and 28, and that a major portion of the remainder of the electives be chosen from the following list: Applied Mathematics 20, 21, 22; Astronomy 1; Chemistry 30; Commerce 20, 33, 40, 45; Electrical Engineering 4, 5, 24; 24; Geology 2; Mechanical Engineering 20; Philosophy 1, 3.

TEACHERS COLLEGE

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full time and part time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

Candidates for admission to the Freshman Class must meet the general admission requirements (p. 23) of fifteen units. *Three of these must be in English, two in Mathematics, and two in one of the following languages: Latin, Greek, French, German, or Spanish.* The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

All persons capable of satisfying the entrance requirements are admitted as regular students. Others may be admitted as *special students* to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage.

ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester-hours of advanced standing.

REQUIREMENTS FOR GRADUATION

On the completion of courses of study amounting to at least 124 semester-hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. A minimum of 24 semester-hours of work must be completed in residence. Summer School work may be counted on residence, but in no case may the periods of attendance aggregate less than 24 weeks.

THE CURRICULUM

FRESHMAN YEAR	Semester Hours
Botany or Zoology *	6
English 1 or 2	6
Foreign Language †	6
History	6
Elective	6
	—
	30

* An elective may be substituted if one entrance unit in biological science is submitted.

† Economics or Political Science may be substituted if three entrance units in history are submitted.

	<i>Semester Hours</i>
SOPHOMORE YEAR	
English 5 or 6.....	6
Foreign Language *.....	6
History †.....	6
Psychology.....	6
Elective.....	6
	—
	30
JUNIOR AND SENIOR YEARS	
Philosophy.....	6
Education.....	20
Elective.....	38
	—
	64

Before graduation a student must complete a minimum of 24 semester hours of work in a major field, subject to the conditions described on page 54. At least 48 semester hours of work must consist of second and third section courses.

Graduates of approved normal schools may satisfy the requirements in Education by the completion of 12 semester hours of work exclusive of the four semester-hours of credit granted in lieu of Observation and Practice Teaching for successful teaching experience. The requirements of the Freshman and Sophomore years may be waived only when corresponding courses have been completed in the normal school.

THE TEACHER'S DIPLOMA

The Bachelor's Diploma in Education is granted in connection with the Bachelor of Arts degree (or, to students without experience in teaching, in connection with higher *degrées*) upon the fulfillment of the requirements defined above.

A diploma corresponding to the degree is given also in connection with higher degrees, provided a graduate student has taken a major in education, has satisfied the requirements defined above, and has had at least two years of successful experience in teaching.

A student holding a degree from an approved college or university may, by satisfying requirements defined above, earn a diploma without registering for a degree.

OBSERVATION AND PRACTICE TEACHING

Through the courtesy of the officials of the public schools, opportunities for observation and teaching are given in the high and elementary schools of Washington.

* Electives may be substituted if four entrance units in one foreign language are submitted.

† Economics or Political Science may be substituted if three entrance units in history are submitted.

EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

TEACHERS' APPOINTMENT BUREAU

Teachers College maintains a Teachers' Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.

SCHEDULE OF CLASSES IN COLUMBIAN COLLEGE AND TEACHERS' COLLEGE

<i>Course</i>	<i>Monday, Wednesday, Friday</i>	<i>Instructor</i>
9.15 Economics 1A.....	General Economics.....	Sutton
Education 20.....	Principles of Teaching.....	Ruediger
English 5.....	English Literature.....	Bolwell
French 1A.....	First Year French.....	Giddings
History 9A.....	American History.....	Rister
History 7, 8.....	European History.....	Kayser
Mathematics 3A.....	Alg., Geom., Trig.....	Hodgkins, H. G.
Mathematics 5A.....	Alg., Trig.....	Hankin
Pol. Sci. 1, 3A.....	U. S. Govt., State Govts.....	Hill
Spanish 1A.....	First Year Spanish.....	Deibert
10.15 Economics 1B.....	General Economics.....	Sutton
English 27.....	English Drama.....	Bolwell
English 36, 37.....	Wordsworth; Browning.....	Wilbur
French 3A.....	Second Year French.....	Henning
German 20.....	Literature.....	Schoenfeld
Greek A.....	Elementary Greek.....	Smith
History 5, 6A.....	Ancient History.....	Kayser
Mathematics 9.....	Trig., Analytic Geom.....	Erwin
Philosophy 25, 27.....	Logic, Ethics.....	Ruediger
Pol. Sci. 1, 3B.....	U. S. Govt., State Govts.....	Hill
Spanish 1C.....	First Year Spanish.....	Giddings
Spanish 3A.....	Second Year Spanish.....	Deibert
11.15 Economics 29, 30.....	Banking, Finance.....	Sutton
Education 11, 13.....	Elements of Education.....	Sullivan
English 46.....	Journalism.....	Morse
French 3C.....	Second Year French.....	Giddings
German 3.....	Second Year German.....	Schoenfeld
Greek 2.....	Xenophon, etc.....	Smith
History 7, 8B.....	European History.....	Rister
Mathematics 3B.....	Alg., Geom., Trig.....	Hodgkins, H. G.
Philosophy 11.....	Psychology.....	Moss
Physics 1A.....	General Physics.....	Cheney
Pol Sci. 27, 28.....	International Relations.....	Hill
1.45 Commerce 24A.....	Commercial Geography.....	Donaldson
Civil Engineering 1A.....	Surveying.....	French
Economics 21.....	Accounting.....	Sutton
German 7.....	Third Year German.....	Schoenfeld
History 7, 8C.....	European History.....	Rister
Home Economics 1.....	Domestic Science.....	Evans
Latin 1.....	Livy, etc.....	Smith
Physics 3A.....	Introductory Physics.....	Brown

	<i>Course</i>	<i>Monday, Wednesday, Friday</i>	<i>Instructor</i>
2.45	Commerce 38, 39	Transportation	Donaldson
	French 52	Graduate Courses	Henning
	Greek 1	Herodotus, etc.	Smith
	History 1, 2	Medieval History	Swisher
	History 27, 23	Latin-American History	Churchill
	Spanish 5	Third Year Spanish	Doyle
4.00	English 20, 21	Literature	Croissant
	English 45	Oral Composition	Morse
	French 5	19th-17th Century	Henning
	History 3, 4	European History	Swisher
	Latin 2	Cicero, etc.	Smith
5.10	Commerce 25	Foreign Trade	Sutton
	Commerce 44	Int. Econ. Relations	Donaldson
	Economics 24, 25	Econ. Theory and Problems	Kern
	Education 25	Secondary Education	Sullivan
	English 2	Rhetoric	Wilbur
	English 47	Journalism	Chace
	English 55	English Comedy	Croissant
	French 2A	First Year French	Deibert
	French 7	Conversation	Beneteau
	French 28	Literature	Henning
	German 22	Literature	Schoenfeld
	History 25	English History	Churchill
	Home Economics 2	Domestic Science	Evans
	Italian 2	First Year Course	Miller
	Mathematics 4A	Algebra; Trig.	Hankin
	Mathematics 12A	Trig., Anal. Geom.	Hodgkins, H. G.
	Mathematics 18A	Calculus	Erwin
	Philosophy 22	Principles of Philosophy	Richardson
	Philosophy 26, 28	Logic, Ethics	Ruediger
	Philosophy 31	Psychological Tests	Moss
	Physics 1B	General Physics	Cheney
	Physics 52	Mathematical Physics	Brown
	Pol. Sci. 23, 24	City Govt., Cons. Law	West
	Spanish 2A	First Year Spanish	Doyle
	Spanish 2E	First Year Spanish	Vasquez
	Spanish 4A	Second Year Spanish	Giddings
	Spanish 6	Third Year Spanish	Jones
	Zoology 1	Invertebrates	Bartsch
	Zoology 3	Pre-Medical Course	Bartsch
6.00	Civil Engineering 1B	Surveying	French
	Commerce 24B	Commercial Geography	Donaldson
	Economics 2	General Economics	Kern
	Education 27, 28	School Administration	Sullivan

SCHEDULE OF CLASSES

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	<i>Course</i>	<i>Monday, Wednesday, Friday</i>	<i>Instructor</i>
	English 53.....	Shakespeare.....	Wilbur
	French 2B.....	First Year French.....	Cullom
	French 8.....	Conversation.....	Beneteau
	German 4.....	Second Year German.....	Schmidt
	History 26.....	History of the West.....	Churchill
	History 30.....	Amer. Constitutional Hist.....	McArthur
	Mathematics 6A.....	Alg., Geom., Trig.....	Hankin
	Mathematics 12B.....	Trig., Analytic Geometry.....	Hodgkins, H. G.
	Mathematics 54.....	Functions.....	Erwin
	Philosophy 12A.....	Psychology.....	Moss
	Philosophy 24.....	History of Philosophy.....	Richardson
	Physics 3B.....	Introductory Physics.....	Brown
	Pol. Sci. 25, 32.....	Political Theory, Polit. Parties.....	West
	Spanish 2B.....	First Year Spanish.....	Miller
	Spanish 2F.....	First Year Course.....	Jones
	Spanish 8.....	Advanced Conversation.....	Vasquez
	Spanish 22.....	Literature.....	Doyle
	Zoology 2.....	Vertebrates.....	Bartsch
7.00	Chemistry 29.....	Industrial Chemistry.....	Brattain
	Tuesday, Thursday, Saturday		
9.15	Botany 1A.....	General Botany.....	Griggs
	English 40, 41.....	English Prose, etc.....	Croissant
	French 1B.....	First Year French.....	Deibert
	History 5, 6B.....	Ancient History.....	Kayser
	Mathematics 5B.....	Alg., Trig.....	Hankin
	Mathematics 19.....	Calculus.....	Hodgkins, H. L.
	Philosophy 21.....	Principles of Philosophy.....	Richardson
	Spanish 1B.....	First Year Spanish.....	Giddings
	Spanish 3B.....	Second Year Spanish.....	Doyle
10.15	Botany 21.....	Evolution.....	Griggs
	English 1.....	Rhetoric.....	Wilbur
	English 32, 33.....	Dryden; Pope.....	Croissant
	History 22.....	American History.....	Churchill
	History 37, 38.....	The Renaissance.....	Kayser
	French 3B.....	Second Year French.....	Deibert
	Greek A.....	Elementary Greek.....	Smith
	Mathematics 24, 25.....	Theory of Equations, etc.....	Erwin
	Philosophy 23.....	History of Philosophy.....	Richardson
	Pol. Sci. 35, 36.....	Far East; Latin America.....	West
11.15	English 9.....	Composition.....	Morse
	German 1.....	First Year German.....	Schoenfeld
	History 9B.....	United States History.....	Rister
	History 28.....	English History.....	Churchill

	<i>Course</i>	<i>Tuesday, Thursday, Saturday</i>	<i>Instructor</i>
	Latin B.....	Cicero and Virgil.....	Smith
	Pol. Sc. 1, 3C.....	U. S. Govt., State Govt.....	West
12.00	Chemistry 1A.....	General Chemistry.....	McNeil
5.10	Architecture 8.....	History of Architecture.....	Bibb
	Botany 1B.....	General Botany.....	Griggs
	Chemistry 1B.....	General Chemistry.....	McNeil
	Economics 45.....	Statistics.....	Phillips
	English 6.....	English Literature.....	Bolwell
	English 42.....	American Literature.....	Croissant
	Ethnology 20.....	General Introduction.....	Michelson
	French 2C.....	First Year French.....	Giddings
	French 4A.....	Second Year French.....	Kramer
	German 2.....	First Year German.....	Schmidt
	German 8.....	Third Year German.....	Schoenfeld
	History 11, 12.....	European History.....	Rister
	History 35.....	General History.....	Swisher
	Italian 4.....	Second Year Italian.....	Miller
	Mathematics 4B.....	Algebra, Trig.....	Hodgkins, H. G.
	Mathematics 18B.....	Calculus.....	Hodgkins, H. L.
	Philosophy 12B.....	Psychology.....	Moss
	Physics 20.....	Mechanics.....	Cheney
	Pol. Sci. 29, 30.....	International Law.....	Hill
	Spanish 2C.....	First Year Spanish.....	Jones
	Spanish 4B.....	Second Year Spanish.....	Doyle
	Spanish 7.....	Conversation.....	Vasquez
6.00	Architecture 20.....	History of Architecture.....	Bibb
	French 2D.....	First Year French.....	Kramer
	French 4B.....	Second Year French.....	Cullom
	French 6.....	19th-17th Century.....	Deibert
	German 6.....	Second Year German.....	Schmidt
	History 31, 32.....	Modern European History.....	Swisher
	Mathematics 6B.....	Alg., Geom., Trig.....	Hodgkins, H. G.
	Mathematics 12C.....	Trig., Analytic Geom.....	Hankin
	Pol. Sci. 2, 4.....	U. S. Govt., State Govts.....	West
	Pol. Sci. 53, 54.....	Seminar.....	Hill
	Spanish 2D.....	First Year Spanish.....	Miller
	Spanish 28.....	Spanish-American Literature.....	Jones
6.10	Chemistry 34.....	Chem. Engineering.....	Brattain
Tuesday and Thursday			
9.15	Home Econ. 11, 13.....	Household Mgt.; Foods.....	Evans
10.15	Latin 21.....	Quintilian, etc.....	Smith
	Physics 2, 4.....	Laboratory Physics.....	Brown

SCHEDULE OF CLASSES

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<i>Course</i>	<i>Tuesday and Thursday</i>	<i>Instructor</i>
11.15 Astronomy 1.....	Popular Astronomy.....	Erwin
Commerce 33A.....	Commercial Law.....	Alden
1.00 Chemistry 8A.....	Organic Chemistry.....	McNeil
1.45 Home Econ. 15.....	Textiles and Clothing.....	Evans
1.45 } to } 3.45 }	Home Economics 1..... Domestic Science.....	Evans
1.15 } to } 4.15 }	Chemistry 2..... Laboratory Practice..... Chemistry 3..... Organic Chemistry..... Chemistry 7..... Qualitative Analysis.....	Swett Swett Swett
1.45 Greek 20.....	Plato.....	Smith
2.45 Physics 2, 4.....	Laboratory Physics.....	Brown
4.00 Architecture 28.....	Painting and Sculpture.....	Bibb
Archaeology 52.....	American School of Painting.....	Brigham
Classical Lit. 22.....	Latin Literature.....	Smith
Education 22.....	History of Education.....	Sullivan
English 44.....	History of English Lang.....	Bolwell
English 48.....	Play Writing.....	Morse
5.10 Archaeology 21.....	History of Painting.....	Brigham
Economics 22, 23.....	Sociology.....	Kern
Education 50.....	Seminar.....	Ruediger
Home Econ. 14.....	Textiles, Clothing.....	Evans
5.10 } to } 6.50 }	Home Economics..... Domestic Science.....	Evans
6.00 Commerce 33B.....	Commercial Law.....	Alden
Economics 27, 26.....	Banking, Finance.....	Kern
Philosophy 50.....	Seminar in Psychology.....	Moss
7.30 Economics 46.....	Advanced Statistics.....	Phillips
7.00 } to } 10.00 }	Chemistry 2..... Laboratory Practice..... Chemistry 3..... Organic Chemistry..... Chemistry 7..... Qualitative Analysis.....	Swett Swett Swett
7.30 } to } 9.30 }	Physics 2..... Laboratory Physics.....	Brown
Thursday and Saturday		
6.10 Chemistry 24.....	Organic Chemistry.....	Swett
Monday and Wednesday		
5.10 Ethnology 51.....	North America.....	Michelson
6.10 Chemistry 26.....	Physical Chemistry.....	McNeil
7.00 Chemistry 8B.....	Organic Chemistry.....	McNeil
Monday and Thursday		
7.00 Chemistry 30.....	Organic Chemistry.....	Hill

<i>Course</i>	<i>Monday and Friday</i>	<i>Instruction</i>
9.15 Economics 43, 44.....	Trusts, Labor Problems.....	Kern
4.20 Geology 12.....	Engineering Geology.....	Resser
5.10 Geology 1.....	Mineralogy.....	Bassler
Geology 20.....	Economic Geology.....	Bassler
6.00 Geology 2.....	Geology.....	Bassler
7.30 } to } 9.30 }	Physics 4.....	Laboratory Physics.....Cheney

Wednesday and Friday

1.45 } to } 3.45 }	Home Econ. 1, 3.....	Domestic Science.....	Evans
4.00	Archaeology 20A.....	History of Art.....	Carroll
5.00	Chemistry 23.....	Organic Chemistry.....	Swett
5.10	Archaeology 20B.....	History of Art.....	Carroll
5.10 } to } 6.50 }	Home Econ. 2, 4.....	Domestic Science.....	Evans

Wednesday

5.10	Geology 3.....	Geography.....	Resser
6.00	Geology 6.....	Human Geography.....	Resser

Thursday

2.45	Latin 22.....	Latin Composition.....	Smith
7.00	Chemistry 31.....	Chemical Microscopy.....	Hill

Saturday

9.15 } to } 11.15 }	Education 21.....	Principles.....	Ruediger
	Education 24.....	History of Amer. Education.....	Sullivan
10.15	English 50.....	Anglo-Saxon.....	Bolwell
11.15	History 33.....	Current History.....	Swisher

COURSES OF INSTRUCTION PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the bachelor's degree; they serve, however, with additional work, as minors for the higher degrees, provided they have not already counted toward a degree. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergraduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First section courses are numbered 1 to 19, inclusive; second section courses 20 to 49, inclusive; third section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science, or for the graduate degrees of Master of Arts and Master of Science, or for the graduate degree in engineering.

APPLIED MATHEMATICS

Second Section. For Undergraduates and Graduates.

20. *Analytical and Applied Mechanics.*—(1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits. Professor MILLER.

21. *Hydraulics.*—The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Professor LAPHAM.

22. *Mechanics of Materials and Theory of Elasticity*.—Elastic and ultimate strength and deformation; simple, cantilever and continuous beams; shear, riveted joints, torsion, columns, resilience, combined stress, curved beams and hooks; theories of elastic limit and failure. Four hours, second half-year. Professor MILLER.

ARCHAEOLOGY AND HISTORY OF ART

Second Section. For Graduates and Undergraduates.

20. *History of Art*.—An introductory course in the history of architecture, sculpture and painting, illustrated by photographs, lantern slides and casts. 1922-23, Prehistoric, Classical and Mediaeval Art; 1923-24, Renaissance and Modern Art. Section A: *Wed. and Fri.*, 4 p. m. Section B: *Wed. and Fri.*, 5.10 p. m. Four semester-hour credits. Professor CARROLL.

21. *History and Appreciation of Painting*.—Illustrated lectures on the schools of painting from the Renaissance down to the American school. Supplemented by courses of reading and visits to galleries in Washington and neighboring cities. *Tues. and Thurs.*, 5.10 p. m. Four semester-hour credits. Dr. BRIGHAM.

Third Section. Primarily for Graduates.

50. *Pro-Seminary of Art and Archaeology*.—Prehistoric Art and Archaeology. *Mon.*, 4.30-6.10 p. m. One hour research in addition in National Museum. Six semester-hour credits. Professor CARROLL.

51. *American Archaeology*.—In conjunction with the School of American Archaeology in Santa Fé. Six semester-hour credits. Professor CARROLL.

52. *The American School of Painting*.—The development of the art impulse in America, from the early portrait period through the landscape artists, the mural and portrait painters, to the present. Illustrated lectures, gallery visits and outside reading. *Tues. and Thurs.*, 4 p. m. Six semester-hour credits. Dr. BRIGHAM.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

ARCHITECTURE

2. *Freehand Drawing*.—This course consists of drawing in charcoal from casts of simple form. *Mon.*, 1.45-3.45 p. m., 5.10-6.50 p. m.; *Fri.*, 1.45-3.45 p. m., 7.30-9.30 p. m. Two semester-hour credits for each period. Professor BIBB.

Credit for this course may be obtained by taking work at the Corcoran Gallery of Art.

3. *Architectural Drawing and Elementary Design*.—This course includes the study of the elements of Architecture including the Five Orders, the use of India ink and water color rendering. At least nine hours per week are to be spent by the student in the drafting room. Six semester-hour credits.

Criticisms by Professor PARTRIDGE and Acting Assistant Professor CUNNINGHAM on Tuesday and Thursday, 1.45 to 4.45 p. m., and by Mr. FLEMING on Tuesday, Wednesday and Friday evenings.

4. *Projections, Shades, Shadows and Perspective*.—A course in orthographic projections, shades and shadows, followed by a short course in the elements of perspective. Two periods. Four semester-hour credits. Must be taken concurrently with Architecture 3.

Criticisms by Professor PARTRIDGE and Acting Assistant Professor CUNNINGHAM on Tuesday 1.45 to 4.45 p. m. and by Mr. FLEMING on Wednesday evenings.

5. *Design*.—Problems in the elements of architecture are given to prepare the student for work in architectural drafting and design. The latter part of the year is devoted to Class B order problems of the Society of Beaux-Arts Architects. At least twelve hours per week are to be spent by the student in the drafting room. Criticisms by Professor PARTRIDGE and Acting Assistant Professor CUNNINGHAM on Monday, Tuesday, and Thursday evenings, and on Tuesday and Thursday afternoons. Eight semester-hour credits. Prerequisites: Architecture 3 and 4.

6. *Free-hand Drawing*.—An advanced course in drawing from cast and life. Two periods. Four semester-hour credits. Prerequisite: Architecture 2. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

8. *History of Architecture*.—The course is designed to trace the development of the art in Ancient Egypt, in Greece, and in Rome, and through the Byzantine and Mediaeval periods. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Professor BIBB.

Second Section. For Undergraduates and Graduates.

20. *History of Architecture*.—A study of the Architecture of the Renaissance in its relation to Ancient and to Modern Architecture. *Tues., Thurs. and Sat., 6 p. m.* Six semester-hour credits. Prerequisite: Architecture 8. Professor BIBB.

21. *Building Construction*.—Frame buildings, details of construction, interior finish, three-fourths scale and full-size details. *Wed. and Fri., 6 p. m.,* and two periods in drawing room; first half-year. Four semester-hour credits. Prerequisites: Architecture 3 and 4. Assistant Professor SMITH.

22. *Sanitation*.—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal, septic tank, sewage disposal fields, etc. *Wed. and Fri. at 5:10 p. m.;* first half-year. Two semester-hour credits. Professor HARRIS.

24. *Pen-and-Ink Rendering*.—A study of the renderings of the best pen-and-ink draftsmen, with practice in the use of the pen as means of Architectural expression. One period. Two semester-hour credits. Prerequisites: Architecture 3 and 4.

Hours of criticism selected by conference with Professor PARTRIDGE.

25. *Design*.—Plan problems, sketch problems, and archaeology problems from the Class B order and plan programs of the Society of Beaux-Arts Architects. At least fifteen hours a week are to be spent by the student in the drafting

room. Ten semester-hour credits. Prerequisite: Architecture 5. Criticism by Professor PARTRIDGE and Acting Assistant Professor CUNNINGHAM on Tuesday and Thursday evenings.

27. *Advanced Design*.—Plan problems and sketch problems are given from the Class B programs of the Society of Beaux-Arts Architects. The latter part of the year is devoted to a thesis, the subject being selected by the student, subject to the approval of the Professor of Design. At least eighteen hours a week are to be spent by the student in the drafting room. Ten semester-hour credits. Prerequisite: Architecture 25. Criticism by Professor PARTRIDGE and Acting Assistant Professor CUNNINGHAM, on Tuesday and Thursday evenings.

28. *History of Sculpture and Painting*.—An advanced course offering a comparative study of the development of art as the expression of civilization; an outline of the lives of great artists and a critical analysis of their achievement. Tues. and Thurs., 4 p. m. Four semester-hour credits. Prerequisite: Architecture 20. Professor BIBB.

33. *Water Color*.—A course of drawing in water color from still life and from buildings and gardens. Two periods. Four semester-hour credits. Prerequisite: Architecture 6. Professor BIBB.

39. *Building Construction*.—Masonry foundations, pile foundations, stone work, brick work, fire-proofing, ornamental terra cotta, plastering, specifications. Wed. and Fri., 6 p. m., and two periods in the drawing room, second half-year. Four semester-hour credits. Prerequisites: Architecture 3 and 4. Assistant Professor SMITH.

40. *Water Color*.—An advanced course in water color drawing including studies from life. Two periods. Four semester-hour credits. Prerequisite: Architecture 33. Professor BIBB.

41. *Heating and Ventilating*.—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. Wed. and Fri., 5.10 p. m.; second half-year. Two semester-hour credits. Professor HARRIS.

43. *Specification Writing*.—A course for architectural and engineering students covering the content, form and English used in the best specifications, and involving a study of standard specifications for various types of design and construction. Two semester-hour credits. This course should be taken in the senior year and only those who have completed most of their technical work will be permitted to register. Professor HARRIS.

44. *Advanced Construction*.—A course arranged especially for architectural students, embracing problems in the determination of beam sizes, girder and column design, grillage beam footings and the design of the simpler forms of trusses. Four semester-hour credits. Prerequisites: Mathematics 9 or 12, and Architecture 21 and 39. Professor HARRIS.

ASTRONOMY*First Section. Primarily for Undergraduates.*

1. *Popular Astronomy*.—A course in elementary descriptive astronomy. designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. *Tues. and Thurs.*, 11.15 a. m. Four semester-hour credits. Professor ERWIN.

ASTRO-PHYSICS*Third Section. Primarily for Graduates.*

54. A lecture course on the astro-physical instruments employed in modern research. Six semester-hour credits. Mr. FOWLE.

55. Some applications of Astrophysics, Geophysics, Chemical Physics and Colloidal Physics to Meteorology. Six semester-hour credits. Mr. FOWLE.

56. Some interrelations between Astrophysics, Geophysics, Atomic Physics and Colloidal Physics. Six semester-hour credits. Mr. FOWLE.

BOTANY*First Section. For Undergraduates.*

Courses 1 and 2, in General Botany aim to present in orderly fashion such a knowledge of the vegetable kingdom as everyone needs to understand plants, their mode of life and their bearing on human affairs. Text: Ganong, Text-book of Botany.

1. *The Living Plant*.—A study of the structure and function of the flowering plant as a working mechanism. Section A: *Tues. and Thurs.*, 9.15 a. m. Laboratory *Sat.*, 9.15-11.15 a. m. Section B: *Tues. and Thurs.*, 5.10 p. m. Laboratory, *Sat.*, 5.10-6.50 p. m. Three semester-hour credits. First half-year. Professor GRIGGS and assistants.

2. *The Plant Kingdom*.—A rapid survey of the principal groups of plants followed by practice in determining the common native plants. Prerequisite: one semester's work in college biology. Section A: *Tues. and Thurs.*, 9.15 a. m. Laboratory, *Sat.*, 9.15-11.15 a. m. Section B: *Tues. and Thurs.*, 5.10 p. m. Laboratory, *Sat.*, 5.10-6.50 p. m. Second half-year. Three semester-hour credits. Professor GRIGGS and assistants.

4. *Field Botany*.—First-hand study of the local flora, designed to familiarize the student with the native plants and with methods of field study, including the identification of plants. An excursion Saturday afternoon is followed by a laboratory period Monday afternoon. Second half-year. Two semester-hour credits. Professor GRIGGS.

Second Section. For Graduates and Advanced Undergraduates.

20. *Flowering Plants*.—A survey of selected groups of angiosperms chosen to give the student an understanding of the evolution and natural relationships of the class together with practice in identifying unknown plants. Prerequisite: Botany 1 and 2. Lecture, *Thurs.*, 6 p. m. Laboratory, *Tues. and Sat.*, 5.10-6.50 p. m. The year. Six semester hour credits. Professor GRIGGS.

21. *Evolution*.—Assigned readings, lectures and discussion of evolution, genetics and other fundamental problems of biology. Text, Newman, *Readings in Evolution, Genetics and Eugenics*. Prerequisite: One year's work in college Botany, Geology, or Zoology. *Tues., Thurs. and Sat., 10.15 a. m.* The year. Six semester hour credits. Professor GRIGGS.

Third Section. Primarily for Graduates.

50. *Research*.—Open to qualified workers in special fields. Hours and credits to be arranged. Professor GRIGGS.

51. *Seminar*.—A weekly discussion of problems of broad botanical interest; *Tues., 6 p. m.* Two semester-hour credits. Professor GRIGGS.

BACTERIOLOGY AND CLINICAL MICROSCOPY

Second Section. For Undergraduates and Graduates.

20. *Bacteriology*.—General bacteriology; bacteriological technic; preparation of culture media; methods of sterilization and disinfection; routine study of about ten non-pathogenic bacteria; cultural, microscopical and serological study of about forty pathogenic organisms. Students are also taught the preparation of vaccines, agglutinating, hemolytic and other immune sera, commonly employed in diagnosis, including the Wassermann Reaction. Moulds, yeast, spoilage of food and contamination of water are also considered, together with methods for qualitative and quantitative estimation. This course consists of 48 lectures and quizzes, and 96 hours in the laboratory. Special tuition fee, \$60.00.

22. *Clinical Microscopy*.—Technic for counting red and white blood cells, various methods of hemoglobin estimation, differential counting of white blood cells; study and recognition of the various blood diseases, including the anemias malarial parasites and other blood parasites. Microscopic study of the sediments of normal and pathologic urines, stomach contents, feces, including a detailed study of animal parasites and their eggs; microscopical examination of sputum, spinal fluid, exudates, etc. The significance and value of these findings as applied to pathology and diagnosis are considered. This course consists of 16 lectures and quizzes and 32 hours in the laboratory. Special tuition fee \$25.00.

CHEMISTRY

First Section. Primarily for Undergraduates.

1. *General Chemistry*.—A series of illustrated lectures, accompanied by exercises and tests on theoretical, inorganic, organic and technical chemistry. Section A: *Tues., Thurs. and Sat., 12 noon.* Section B: *Tues., Thurs. and Sat., 5 p. m.* Six semester-hour credits. Professor McNEIL.

2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. *Tues. and Thurs., 1.15 p. m. or at 7 p. m.* Four semester-hour credits. Professor McNEIL, Professor SWETT, Mr. HAMILTON and Assistants.

3. *Preparation and Study of the Properties of Chemical Substances*.—A laboratory course. Two three-hour periods. *Tues. and Thurs., 1.15 p. m. or at 7 p. m.* Four semester-hour credits. Professor McNEIL, Professor SWETT, Assistant Professor PHILLIPS.

4. *Assaying and Metallurgy of the Precious Metals*.—Carried on by the method used by the Government Assayers, the Laboratory being fitted up on the plan of that of the United States Mint. Twelve hours for three months. Professor McNEIL, Professor SWETT. Not given in 1923-24.

7. *Qualitative Analysis*.—A laboratory course for the study of the principles of chemistry and an intensive course in qualitative analysis, intended primarily for students in engineering. Two three-hour periods. *Tues.* and *Thurs.*, 1 p. m. or 7 p. m. Four semester-hour credits. Professor McNEIL, Professor SWETT, Assistant Professor PHILLIPS, Mr. VALAER.

8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week. Section A: *Tues.* and *Thurs.*, 1 p. m. Section B: *Mon.* and *Wed.*, 7 p. m. Six semester-hour credits. Professor McNEIL.

Second Section. For Undergraduates and Graduates.

20. *Qualitative Analysis*.—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six semester-hour credits. Professor McNEIL, Professor SWETT, Assistant Professor PHILLIPS, Mr. VALAER.

21. *Quantitative Analysis*.—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Three four-hour periods. *Mon.*, *Wed.* and *Fri.* Eight semester-hour credits. Professor McNEIL, Professor SWETT, Assistant Professor PHILLIPS.

23. *Organic Chemistry*.—Advanced course. *Wed.* and *Fri.*, 5 p. m. Four semester-hour credits. Professor SWETT.

24. *Organic Chemistry*.—Advanced course. A continuation of Course 23. *Thurs.* and *Sat.*, 6.10. p. m. Four semester-hour credits. Professor SWETT.

25. *Chemistry of the Carbon Compounds*.—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor SWETT, Mr. LEPPER.

26. *Physical Chemistry*.—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from that standpoint. Special attention is given to the ionic theory, electro-chemistry, colloids, mass action, and the phase rule. *Mon.* and *Wed.*, 6.10. p. m. Four semester-hour credits. Professor McNEIL.

27. *Stereo-Chemistry*.—This course deals with the arrangement of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. *Mon.*, 7. p. m. Four semester-hour credits. Assistant Professor HILL.

28. *Biochemistry*.—A lecture and laboratory course. The physico-chemical processes concerned in the functional activity of the cell and quantitative principles essential for biochemical analysis are thoroughly considered, followed by

physiological chemistry including a study of carbohydrates, fats, proteins, body tissues, secretions, and the physiological chemical processes, such as the digestion, absorption and assimilation of food, general enzyme action, metabolism, and the fundamental principles of nutrition. Two lectures and two three-hour laboratory periods. Eight semester-hour credits. Professor ROE.

29. *Industrial Chemistry*.—This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. *Mon., Wed. and Fri., 7.00 p. m.* Six semester-hour credits. Mr. BRATTAIN.

30. *Physical Chemistry*.—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken or are taking that course. Two three-hour periods. *Mon. and Thurs., 7.00 p. m.* Four semester-hour credits. Assistant Professor HILL.

31. *Chemical Microscopy*.—A laboratory course in the use of the microscope and microscopical methods in chemical work. One three-hour period. Two semester-hour credits. Assistant Professor HILL.

NOTE.—The number of students will be limited and preference will be given in the order of registration.

32. *Dyestuffs*.—A lecture and laboratory course for the study of the basic principles involved in the production of crudes, intermediates and finished dyes; methods of manufacture and purification; identification and separation in bulk, on textiles and from foods; theories of color; photographic developers and color filters; applications of dyestuffs commercially; market conditions and patent literature; research. Twelve hours per week; eight semester-hour credits. Miss DOYLE.

33. *Explosive substances*.—A course in the fundamental principles of explosives and explosions, accompanied by laboratory experiments and field demonstrations. Assistant Professor PHILLIPS in consultation with Dr. CHARLES E. MUNROE.

34. *Chemical Engineering*.—A lecture course on the methods employed in the industrial application of chemical and engineering principles, including materials used in the construction of apparatus needed in large-scale chemical work, the principle types of apparatus and machines, practice in the solution of problems connected with commercial chemical processes, and the design of chemical equipment. *Tues., Thurs. and Sat., 6.10. p. m.* Six semester-hour credits. Mr. BRATTAIN.

Third Section. Primarily for Graduates.

51. *Analytical Methods*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

57. *Research in Physical Chemistry*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

58. *Research. Special Problems*.—Facilities for research are available in a number of lines, especially dyestuffs and explosive substances. For particulars consult Professor McNEIL.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington, which are held on the second and fourth Thursdays of each month, from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings of the Chemical Society of the George Washington University, which is a most active and efficient student organization.

CIVIL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Surveying (Plane and Higher) and Geodetic (Practical) Astronomy.*—Lectures, recitations, field work, computations and drafting. Lectures and recitations include the theory, adjustment and use of surveying instruments; methods of making land, topographic, hydrographic and geodetic surveys, and determining time, latitude, longitude and azimuth.

Field work includes adjusting the various surveying instruments, determining areas, leveling, traverses, stadia distances, topography, triangulation, time, latitude, longitude and azimuth. Computation and drafting include the reduction of all field work and plotting results. Breed and Hosmer's *Surveying*, two vols. Three recitations per week and three hours per week for field and drafting work throughout the year. Section A: *Mon., Wed. and Fri.*, 1.45 p. m. Section B: *Mon., Wed. and Fri.*, 6:00 p. m. Eight semester-hour credits. Prerequisites: Mathematics 9 or 12. Professor FRENCH.

2. *Railroad Engineering.*—This course includes recitations, field and drawing-room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists of a preliminary and location survey; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Prerequisite: C. E. 1. Professor FRENCH.

3. *Highways and Pavements.*—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Should be taken concurrently with C. E. 1 and 4. Professor FRENCH.

4. *Materials of Construction.*—A course in the study of the chemical and physical properties of: stone, brick, lime, wood, iron, steel and a few of the minor alloys. Stress is laid on the manufacture and the properties of the materials that affect their use in engineering construction. The class-room work is supplemented by laboratory tests and by inspection trips to testing laboratories and manufacturing plants. Two hours a week. Four semester-hour credits. Prerequisite: Chemistry 1. Professor LAPHAM.

5. *Elementary Surveying.*—A course for Mechanical and Electrical Engineering students, covering the use of the compass, transit, and level. Lectures and field exercises, two semester-hour credits. Prerequisite:—Mathematics 9 or 12. Professor FRENCH.

Second Section. For Undergraduates and Graduates.

21. *Hydraulic Engineering*.—A study of stream flow; dams; hydraulic motors, and water power plants. Two recitations per week for one semester. Two semester hour credits. Prerequisite:—Applied Mathematics 21 Professor LAPHAM.

22. *Structures*.—A course covering the determination of stresses in simple framed structures and their deflections by graphical and analytical methods. The first term is principally devoted to graphic statics; the second to bridge trusses under uniform and wheel loads. One lecture and two design periods. Six semester-hour credits. (Mechanical engineering students take only the first term. Three semester-hour credits.) Prerequisites:—Physics 1 and Mathematics 18 or 19, and should be taken concurrently with Applied Mathematics 20. Professor MILLER.

23. *Structures*.—A course covering the determination of stresses in the more complicated framed structures such as drawbridges, cantilever bridges and suspension bridges; also the design of timber and steel roof trusses and buildings; plate girder, riveted and pin connected bridges; bridge piers and abutments. Three lectures and two design periods. Ten semester-hour credits. Prerequisites: C. E. 22 and Applied Mathematics 20 and 22. Professor HITCHCOCK.

24. *Sanitary Engineering*.—Water supply; the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; sedimentation and aeration of water; sand filtration; mechanical filtration; chemical treatment of water; the relation of water supply to infectious diseases.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal. Three lectures and one design period. Eight semester-hour credits. Prerequisites: Chemistry 1 and Applied Mathematics 21. Professor LAPHAM.

27. *Reinforced Concrete Construction*.—The theory and design of reinforced concrete slabs, beams, columns, foundations and walls; estimating reinforced concrete work; structures of plain concrete and masonry. Two recitations and one design period. Six semester-hour credits. Prerequisite: Applied Mathematics 22. Professor LAPHAM.

Third Section. Primarily for Graduates.

50. *Reinforced Concrete Structures*.—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits. Prerequisite: C. E. 27.

51. *Advanced Steel Structures*.—Theory and design of suspension, cantilever, movable and arch bridges. One lecture and two design periods. Six semester-hour credits. Prerequisite: C. E. 23.

53. *Railroad Engineering*.—An advanced course in railroad location construction and maintenance of way. It must be preceded by Civil Engineering Course 2. Six semester-hour credits. Prerequisite: C. E. 2.

54. *Water and Sewage Purifications*.—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits. Prerequisite: C. E. 24.

CLASSICAL LANGUAGES AND LITERATURES

Greek

First Section. Primarily for Undergraduates.

A. *Elementary Course*.—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. *Mon., Wed. and Fri.*, 10.15 a. m. Six semester-hour credits. Professor SMITH.

B. *Homer: Iliad I-IV*.—For students who have taken Course A and desire to prepare themselves to enter Course I. *Tues. and Thurs.*, 9.15 a. m. Four semester-hour credits. Professor SMITH. Not given in 1923-24.

1. Herodotus (selections); Lysias (selected orations); Euripides (*Alcestis*); Greek prose composition. *Mon., Wed. and Fri.*, 2.45 p. m. Six semester-hour credits. Professor SMITH.

2. Xenophon (*Memorabilia*); Thucydides (*Book VII*); Sophocles (*Antigone*). *Mon., Wed. and Fri.*, 11.15 a. m. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates.

20. Plato (selections, including the *Apology* and *Crito*); Aristophanes (*Clouds* or *Frogs*). *Tues. and Thurs.*, 1.45 p. m. Four semester-hour credits. Professor SMITH.

21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). *Tues. and Thurs.*, 1.45 p. m. Four semester-hour credits. Professor SMITH. Not given in 1923-24.

Latin

First Section. Primarily for Undergraduates.

B. *Cicero's Orations and Vergil's Aeneid*.—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the *Orations* and of three or four books of the *Aeneid*, supplemented by private reading and some practice in the writing of Latin. *Tues., Thurs. and Sat.*, 11.15 a. m. Six semester-hour credits. Professor SMITH.

1. Livy (*Book I or XXI*); Cicero (*De Senectute*); Horace (*Odes and Epodes*); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed Course B: *Mon., Wed. and Fri.*, 1.45 p. m. Six semester-hour credits. Professor SMITH.

2. Cicero and Pliny (selected Letters); Horace (*Satires and Epistles*); Martial (selections). *Mon., Wed. and Fri.*, 4.00 p. m. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates.

20. Tacitus (selections); Terence (Phormio); Plautus (Captivi). *Tues.* and *Thurs.*, 10.15 a. m. Four semester-hour credits. Professor SMITH. Not given in 1923-24.

21. Quintilian, Book X, and Horace, *Ars Poetica*; Catullus, Tibullus and Propertius. *Tues.* and *Thurs.*, 10.15 a. m. Four semester-hour credits. Professor SMITH.

22. *Advanced Latin Composition and Reading at Sight*.—Practice in Latin expression and style. *Thurs.*, 2.45 p. m. Two semester-hour credits. Professor SMITH.

Third Section. Primarily for Graduates.

The work in this section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified Seniors may be admitted to these courses. The authors selected are as follows:

50. *Vergil, and Roman Epic Poetry*.—Two hours. Six semester-hour credits. Professor SMITH. Not given in 1923-24.

51. *Caesar and the Roman Historians*.—Two hours. Six semester-hour credits. Professor SMITH.

52. *Cicero, and Roman Oratory*.—Two hours. Six semester-hour credits. Professor SMITH. Not given in 1923-24.

Classical Literature

Second Section. For Undergraduates and Graduates.

21. *General Survey of Classical Greek Literature (in English)*.—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. *Tues.* and *Thurs.*, 4 p. m. Four semester-hour credits. Professor SMITH. Not given in 1923-24.

22. *General Survey of Latin Literature (in English)*.—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. *Tues.* and *Thurs.*, 4 p. m. Four semester-hour credits. Professor SMITH.

COMMERCE

Second Section. For Undergraduates and Graduates.

24. *Industrial and Commercial Geography*.—An analysis of the economic aspects of the facts and principles of geography, and a survey of the chief industries of the world and commodities in world trade. *Economico-geographic*

environment: land, water, climate; natural resources; the place and nature of agriculture and the extractive industries, of the manufacturing industries; the influence of geography upon the economic policies of nations. Industrial geography: the world's important resources and industries. Commercial geography: principles of trade; geography and transportation; world highways and trade routes; the chief commodities of commerce. Consideration is given to important markets, such as those of Europe, the Far East, and Latin America. Emphasis is placed upon the industries and resources and commerce of the United States. Prerequisite: General Economics. Section A, *Mon., Wed. and Fri.*, 1.45 p. m. Section B, *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Professor DONALDSON.

25. *Foreign Trade*.—A general survey course in international commerce; basic economic principles; methods of making shipments; rail and ocean transportation; market development; foreign trade promotion; governmental aid to foreign trade. The second semester will be devoted to the analysis of international trade financing; structure of international credit; rates of exchange; monetary and credit standards; the problem of reestablishing the international basis of credit and exchange.

Prerequisite: General Economics. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester hour credits. Assistant Professor SUTTON.

30. *History of Commerce*.—A survey of the influence of the motives and processes of commerce upon the history of civilization, and of the development of the underlying factors in modern commercial life and commercial problems. The social and political significance of commerce and its relation to other institutions. Purposes and origins of commerce. The commerce of antiquity. Commerce in mediaeval and modern times: its relation to feudalism, the towns, the guilds, the maritime cities, the early modern states. Exploration, discovery, and colonization, and effects upon commerce. Mercantilism and other systems of national economy. The development of navigation, roads railways, and other means of transportation and communication. The Industrial Revolution and the growth of modern industry. The development of modern commercial powers and the formation of their commercial policies. The evolution of modern commercial and industrial problems. The World War and reconstruction.

Prerequisite: General Economics. Not given in 1923-24. Three semester-hour credits.

31. *Industrial and Commercial History of the United States*.—A history of the economic development of the nation, and of its latter-day commercial and industrial problems. Geographic environment and natural resources. Exploration and colonization. Colonial development: agriculture and land tenure; colonial industries; labor; communications. British economic colonial policies; American commerce and policies; the struggle for independence. The Industrial Revolution in America; growth of the factory system. Systems of labor: servitude; slavery; free labor; labor organizations. The westward movement. The public lands. Development of transportation and communication; inland waterways; the railways; the merchant marine. The evolution of currency and

banking systems and policies. The growth of inland and foreign commerce; of tariff policies. The new agriculture. The mines and forests. Water-power. Commercial and industrial integration and expansion. Government regulation. The new position of foreign commerce and shipping. The evolution of present-day commercial and industrial problems. The World War, and the new economic role of the United States. Prerequisite: General Economics. Not given in 1923-24. Three semester-hour credits.

33. *Commercial and Maritime Law*.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of Admiralty law. Section A, *Tues.* and *Thurs.*, 11.15 a. m.; Section B, *Tues.* and *Thurs.*, 6.00 p. m. Four semester-hour credits. Professor ALDEN.

38 *Railway Transportation*.—Principles of transportation and its relation to exchange and distribution. The American railway system: origin and growth; equipment, terminals, and operation. Services: freight, passenger, express, mail. Railway finance: accounts and statistics. Railways and the public: inter-railway relations; competition, monopoly, combinations, agreements, pools, traffic associations. Theory of rates and fares; rate making in practice. Railways and the state: systems in other countries; the American system—public aid to construction, the beginning of regulation, State commissions, the history of Federal regulation, the Interstate Commerce Commission. Government operation in war-time. The Transportation Act of 1920 and the new system. Railway labor; the Railway Labor Board. Current developments and prospects. The question of Government ownership. The relation of railway transportation to inland waterway transportation and coastwise shipping, and to the development of highway and air transportation. Prerequisite: General Economics. *Mon., Wed. and Fri.*, 2.45 p. m. First half-year. Three semester-hour credits. Professor DONALDSON.

39. *Ocean Transportation*.—Analysis and history of shipping and of mercantile-marine policies. Ocean routes. The Suez and Panama canals. Ports and terminals: harbors and rivers; terminal facilities; entrepôts; free ports and zones; world's chief ports. The ocean carrier: size, speed, efficiency, motive power; bunkering; the importance of coal and oil. The cargo: tonnage; stowage; cargo handling. Shipping services. Papers and documents. Marine insurance. Organization and management. Rates and finances. The American Merchant Marine; early history; the Shipping Board and Emergency Fleet Corporation; the Merchant Marine Act of 1920; Government ownership, operation, and control; the question of sale of the fleet. The subsidy plan of 1922. The relation of the American Merchant Marine to American commerce and industry. Prerequisite: General Economics. *Mon., Wed. and Fri.*, 2.45 p. m. Second half-year. Three semester-hour credits. Professor DONALDSON.

43. *Foreign Trade*.—A study of principles, methods, and markets. Underlying principles and factors: balance of trade; surplus products; commercial policies. Development of markets: market analysis and sales methods. Making

shipment: preparation; terms; and documents. Financing shipments: foreign exchange; banking; credits; the Federal Reserve system; the Edge law. Transportation and foreign trade: railways; ports; ocean shipping. Combinations for foreign trade; the Federal Trade Commission; the Webb-Pomerene law. Private and quasi-public trade associations and chambers of commerce. The Federal Government and foreign trade: Tariffs and treaties; trade disputes; protection and promotion. The foreign commerce of the United States: the trade balance; commodity character and regional direction of the trade. Important markets, especially in Asia and Latin-America. Prerequisite: General Economics. Not given in 1923-24. Six semester-hour credits. Professor DONALDSON.

44. *International Economic Relations*.—A study of world economy, which coordinates the various principles and problems of international economic affairs. The evolution of world economy: geographic and social factors. Related factors: political, legal (the status of property), and territorial (colonies, mandates, spheres of influence). International trade: principles; trade control and trade policy; tariff systems and policies, rebates and bounties, anti-dumping legislation, colonial tariffs, free zones, bargaining tariffs, "scientific" tariffs, the U. S. Tariff Act of 1922; war time trade control; the measurement of international trade—trade statistics; the trade position of the leading nations. International transportation. International communication. International industry: international aspects of national industry; the status of foreign enterprises; foreign enterprises and concessions; national and international industrial combines and their regulation; the distribution of industrial resources. International finance: international aspects of money and currencies and national public finance; international exchange, banking, credits, investments; the World War and Reparations; Inter-Allied debts; the American position and the restoration of Europe. International economic agreements and organizations: commercial treaties and economic conventions; corporations; Chambers of Commerce; government organization and foreign economic affairs; economic unions; Europe and the economic aspects of the Versailles Treaty and the League of Nations; economic aspects of the problems of the Pacific and the Conference on the Limitation of Armament. The future of world economy. Prerequisite: General Economics. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor DONALDSON.

46. *Relation of Government to Business*.—A course in politico-economics, which analyzes the inter-relation of political and economic institutions and practical problems in this relation, especially in the United States. The evolution of politico-economic theories and systems. Socialism and government ownership versus private enterprise and competition; government regulation. Fundamental politico-economic institutions; property and contract. Basic concepts in the American politico-economic system; constitutional, and legislative, judicial, and administrative expressions of these concepts. Special problems; monopoly, restraint of trade, and unfair trade practice legislation; the regulation of interstate commerce and public utilities; the Government and the railways, the Government and shipping, and other current questions.

Present tendencies in the relation of government to business. Prerequisite: General Economics. Not given in 1923-24. Six semester-hour credits. Professor DONALDSON.

Third Section. Primarily for Graduates.

54. *Seminar*.—Special study of principles and advanced problems of commerce, involving presentation and round-table discussion of chapters from Masters' and Doctors' theses in course of preparation, reviews, and special papers based on original research by advanced students. Required for graduate students in commerce. For admission to the Seminar, students should consult the instructor. Monday evening. Six semester-hour credits. Professor DONALDSON.

ECONOMICS AND SOCIOLOGY

First Section. Primarily for Undergraduates.

1. *General Economics*.—This course in the principles of economic studies, the production and consumption of wealth, value and price, the organization of business enterprise, and the problems connected with money and banking. During the second semester, international trade, the distribution of wealth, certain selected economic problems, and public finance are considered. Readings and problems are assigned. The class-room work is mainly discussional. Section A: *Mon., Wed. and Fri.*, 9.15 a. m.; Section B: *Mon., Wed. and Fri.*, 10.15 a. m. Six semester-hour credits. Assistant Professor SUTTON.

2. *General Economics*.—An outline course in the principles of political economy devoted mainly to the study of production and exchange under present-day conditions, followed by a study of the problems of rent, interest, wages, and profits, and including an examination of competition, private property, and economic programs. *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Professor KERN.

Second Section. For Undergraduates and Graduates.

21. *Principles of Accounting*.—A first-year course in accounting designed to give the student an understanding of the purpose of accounting records and practice in making such records. Emphasis is placed upon the analysis of business facts and the construction of business statements. This course should be preceded by or taken with Economics 1. Two class hours and one two-hour practice period. *Mon., Wed. and Fri.*, 1.45 p. m. On Wednesday the period extends from 1.45 p. m. to 3.45 p. m. Six semester-hour credits. Assistant Professor SUTTON.

22. *General Sociology*.—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. Prerequisite: Economics or Psychology. First half-year. *Tues. and Thurs.*, 5.10 p. m. Two semester-hour credits. Professor KERN.

23. *Modern Social Problems*.—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite: The course

in general sociology. Second half-year. *Tues.* and *Thurs.*, 5.10 p. m. Two semester-hour credits. Professor KERN.

24. *The History of Economic Thought*.—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Three hours, first half-year. *Mon.*, *Wed.* and *Fri.*, 5.10 p. m. Prerequisite: General Economics. Professor KERN.

25. *Economic Problems*.—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Second half-year. *Mon.*, *Wed.* and *Fri.*, 5.10 p. m. Prerequisite: General Economics. Professor KERN.

26. *Public Finance*.—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State Governments. The theory of taxation; administration of public domains, and industries; public debts. Second half-year. *Tues.* and *Thurs.*, 6.00 p. m. Two semester-hour credits. Professor KERN.

27. *Money and Banking*.—The history and theory of money; the production of the precious metals; the theory of prices and measurement of price fluctuations; monetary systems; the relation of the Treasury system to our money supply; the theory of credit and banking; the national system of the United States and the banking system of foreign nations. First half-year. *Tues.* and *Thurs.*, 6.00 p. m. Two semester-hour credits. Professor KERN.

29. *Money and Banking*.—An introductory course presenting the theory and history of money; a general view of the banking system followed by an examination of the functions and internal organization; the Federal Reserve System as to its functions, regulations and methods of operation; leading foreign banking systems. Prerequisite: General Economics. First half-year. *Mon.*, *Wed.* and *Fri.*, 11.15 a. m. Three semester-hour credits. Assistant Professor SUTTON.

30. *Public Finance*.—An introductory course outlining the principles of the fiscal science; public revenues; expenditures; the budget; public credit. Prerequisite: General Economics. Second half-year. *Mon.*, *Wed.* and *Fri.*, 11.15 a. m. Three semester-hour credits. Assistant Professor SUTTON.

43. *Combinations, Trusts*.—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. *Mon.* and *Fri.*, 9.15 a. m. Two semester-hour credits. Professor KERN.

44. *Labor Problems*.—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed by a discussion of such problems as: child labor, dangerous occupations; workmen's insurance against sickness, old age, accident, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. *Mon.* and *Fri.*, 9.15 a. m. Two semester-hour credits. Professor KERN.

45. Elements of statistical methods, including definition and isolation of the problem, collection of material, classification and tabulation, diagrams and graphs, types, dispersion, correlation, error, processes of smoothing, during the first semester. A brief study of index numbers, and an application of elementary statistical methods to some field of inquiry, during the second semester. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Doctor PHILLIPS.

46. A study of curve fitting in which equations of the first and higher orders are used. Development of formulas for the solution of higher order equations. Regression values and correlation. Partial correlation, total correlation, and regression equations. Correlation ratios and their parabolic and cubic regressions. The probability curve, its use, probable error and tests of reliability. An application of each topic to some statistical problem. Prerequisite: Economics 45 or its equivalent. *Tues. and Thurs., 7.30 p. m.* Given in 1923-24. Six semester-hour credits. Doctor PHILLIPS.

47. A preliminary study of the recognized processes of smoothing data for elimination of trend, seasonal effects. Probability distributions and error of sampling. Vital statistics, including enumeration and registration; birth, death, and marriage rates; methods of adjustment, morbidity rates, and the general application of statistical methods to the field of public health. Prerequisite: Economics 45, or its equivalent. *Tues. and Thurs., 7.30 p. m.* Given in 1924-25. Six semester-hour credits. Doctor PHILLIPS.

Third Section. Primarily for Graduates.

51. *Seminar in Sociology.*—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor KERN.

EDUCATION

First Section. Primarily for Undergraduates.

3 or 6. *Junior High School Geography.*—Same as Geology 3, Principles of Geography, and Geology 6, Human Geography, which are especially adapted to the needs of teachers.

11. *The Elements of Education.*—An introductory course in the theory, practice, and administration of Education. First half-year. *Mon., Wed. and Fri., 11.15 a. m.* Three semester-hour credits. Mr. SULLIVAN.

13. *History of Education.*—A brief course in the historical development of educational theory and practice. Second half-year. *Mon., Wed. and Fri., at 11.15 a. m.* Three semester-hour credits. Mr. SULLIVAN.

Second Section. For Undergraduates and Graduates.

20a. *Principles of Teaching.*—A comprehensive course in the principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First semester. *Mon., Wed. and Fri., 9.15 a. m.* Three semester-hour credits. Professor RUEDIGER.

20b. *Principles of Education*.—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second semester. *Mon., Wed. and Fri.*, 9.15 a. m. Three semester-hour credits. Professor RUEDIGER.

21a. *Principles of Education*.—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second semester. *Sat.*, 9.15-11.15 a. m. Two semester-hour credits. Professor RUEDIGER.

21b. *Principles of Teaching*.—A brief course in the psychological and logical principles underlying the teaching process. Second semester. *Sat.*, 9.15-11.15 a. m. Two semester-hour credits. Professor RUEDIGER.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. *History of Education*.—A general course in the historical development of educational theory and practice. *Tues. and Thurs.*, 4 p. m. Four semester-hour credits. Mr. SULLIVAN.

24. *History of American Education*.—A study of the development of American education from colonial times to the present. *Sat.*, 9.15-11.15 a. m. Four semester-hour credits. Mr. SULLIVAN.

25. *Secondary Education*.—First semester: (a) A study of the administrative and pedagogical aspects of the Junior High School. Second semester: (b) The Senior High School. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Mr. SULLIVAN.

27. *School Administration*.—The public school system: Its development; economic and political relations; organization of administration, financial and educational; problems of administration. First half-year. *Mon., Wed. and Fri.*, 6 p. m. Three semester-hour credits. Mr. SULLIVAN.

28. *Supervision of Instruction*.—Second half-year. *Mon., Wed. and Fri.*, 6 p. m. Three semester-hour credits. Mr. SULLIVAN.

31. *Mental and Educational Tests*.—Same as Psychology 31. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Assistant Professor Moss.

34. *Observation*.—Observation of experienced teachers, under guidance, followed by discussion. The course should normally be taken in the junior year. Two semester-hour credits. Mr. SULLIVAN.

35. *Practice Teaching*.—Teaching under supervision and criticism. The course should normally be taken in the senior year. Two semester-hour credits. Mr. SULLIVAN.

45. *Statistical Methods*.—Same as Economics 45. *Tues., Thurs. and Sat.*, at 5.10 p. m. Six semester-hour credits. Dr. PHILLIPS.

Third Section. Primarily for Graduates.

50. *Seminar in Education*.—Topic for 1923-24: Foreign education systems, with special reference to recent developments. A paper reviewing the educational system of one foreign country will be required of each member of the class. *Tues. and Thurs.*, 5.10 p. m. Six semester-hour credits. Professor RUEDIGER.

52. *Educational Psychology*.—Fundamentals of Research. Application of psychological and statistical methods to educational, and vocational courses. Each student will conduct either a research study based on tests of accomplishment, general intelligence tests, or tests of special aptitude, or a comparative study of the adaptability of subject matter and teaching and training methods for general classes and classes divided on the basis of intelligence and accomplishment. Limited to students approved by the professor in charge. *Thurs.*, 7.15-9.15 p. m., and individual consultations. Six semester-hour credits. Dr. O'ROURKE.

53. *Research in Educational Psychology*.—Preceded or accompanied by Education 52. Each student will conduct a research study involving planning, execution, and evaluation of results. The research may involve study of teaching methods, subject matter, or the standardization of tests of accomplishment in a subject in which the student has specialized. Limited to students approved by the professor in charge. Work to count only on Master's or Doctor's theses. Individual consultations. Six semester-hour credits. Dr. O'ROURKE.

ELECTRICAL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Engineering Electricity*.—General course in Electrical Engineering for non-electrical students, including a study of magnetism, electro-magnetism, direct currents, direct current machinery, alternating current theory, alternating current machinery, and the more important applications of direct and alternating currents. The entire scope of electrical engineering is covered as completely as time will permit, including inspection of operating power plants. Prerequisites: Physics 1, 2. Two hours. Four semester hour credits. Assistant Professor AMES.

2. *Direct Current Theory; Dynamo Machinery, Alternating Current Theory*.—A comprehensive course beginning with magnetism, electro-magnetism, theory of direct currents, direct current instruments and machinery, storage batteries, arc lamps and other applications of direct currents.

During the second semester the theory of simple and complex alternating current circuits and the application of complex numbers and vectors are taken up in preparation for alternating current machinery the following year. Problems involving the theory studies are assigned from Lyon's "Problems in Electrical Engineering." Prerequisites: Physics 1, 2, Mathematics 18; Calculus. Three hours. Six semester-hour credits. Assistant Professor AMES.

4. *Electrical Laboratory*.—A combined course in measurements and dynamo laboratory paralleling the class-room work in E. E. 1 and 2. Representative experiments are assigned in the testing of instruments and direct current dynamos. Detailed reports of work done and results obtained are required. Concurrent with: Prerequisites: E. E. 1 or 2. Two three-hour periods, first semester. Two semester-hour credits. Assistant Professor AMES.

5. *Electrical Laboratory*.—A continuation of E. E. 4, including tests of arc lamps, circuit breakers, fuses and an investigation of complex alternating cur-

rent circuits. Prerequisite: E. E. 4 or equivalent. Two three-hour periods, second semester. Two semester-hour credits. Assistant Professor AMES.

Second Section. For Graduates and Undergraduates.

21. *Alternating Current Theory and Machinery.*—A continuation of E. E. 2, including a brief review of alternating current theory covered therein and a thorough study of synchronous generators, transformers, synchronous motors, rotary convertors, and various asynchronous machines, including single and polyphase induction motors, series and repulsion motors. Problems involving the theory studied are taken from Lyon's "Problems in Alternating Current Machinery."

An insight into actual engineering practice is obtained from current engineering journals and inspection of power plants. Prerequisites: Physics 1, 2, E. E. 2. Four hours. Eight semester-hour credits. Assistant Professor AMES.

22. *Electrical Distribution.*—A course for Seniors covering the more important phases of the distribution of electricity for light and power. The theory of transmission lines and problems covering the same are studied. Prerequisites: E. E. 2, concurrently with E. E. 21. Two hours first half-year. Two semester-hour credits. Dr. MEYER.

23. *Electrical Applications.*—A course for Seniors in Electrical Engineering covering the more important applications of electricity, such as generating stations, power stations, motive power and electro-metallurgy. Prerequisites: E. E. 2, E. E. 21 or concurrently with latter. Two hours second half-year. Two semester-hour credits. Dr. MEYER.

24. *Advanced Electrical Laboratory.*—A continuation of E. E. 4 and 5 with experiments in measurement of power in alternating current circuits, calibration of watt-hour meters, and tests of synchronous and asynchronous alternating current machines. Prerequisites: E. E. 21 concurrently. Two three-hour periods throughout the year. Four semester-hour credits. Assistant Professor AMES.

27. *Electric Railways.*—A course for Seniors in Electrical Engineering covering the theory and practice of modern direct and alternating current railways. Prerequisite: E. E. 21. Two hours second half-year. Two semester-hour credits. Assistant Professor AMES.

28. *Telephones and Telegraphs.*—A course for Electrical Engineering Seniors, including the study of magnets, common battery, and machine switching systems of telephones; land and submarine telegraphs; and an introduction to theory of wireless telephones and telegraphs. Prerequisite: E. E. 2. Two hours throughout the year. Four semester-hour credits. Assistant Professor AMES.

29. *Electric Illumination.*—A study of the underlying principles of scientific illumination, exterior and interior. Detail study is made of different types of lamps, shades, and arrangement of light sources. Two hours first half-year. Two semester-hour credits. Prerequisite: Physics 1 or 2. Assistant Professor AMES.

30. *Electrical Design*.—A course for Electrical Engineering Seniors covering principles of design with reference to materials of construction, dynamos, auxiliary equipment and central station layout. Two semester-hour credits. Prerequisites: E. E. 21, and E. E. 24. Assistant Professor AMES.

Third Section. Primarily for Graduates.

50. *Radio-Electricity*.—A mathematical treatment of the fundamental principles with an exposition of their application to present-day practice. Problems based on the methods used and the apparatus employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor; ten semester-hour credits, as a Major. Professor COHEN.

ENGLISH

First Section. Primarily for Undergraduates.

1. *English Rhetoric*.—A study of the principles of self-expression through language with practice in composition. *Tues., Thurs. and Sat., 10.15 a. m.* Six semester-hour credits. Professor WILBUR and Dr. BRIGHAM.

2. *English Rhetoric*.—Parallel with Course 1. *Mon., Wed. and Fri., 5.10 p. m.* Six semester-hour credits. Professor WILBUR and Dr. BRIGHAM.

NOTE.—Credit for Course 1 or 2 is requisite for admission to any other course in English except 5 or 6.

5. *Survey of English Literature*.—*Mon., Wed. and Fri., 9.15 a. m.* Six semester-hour credits. Assistant Professor BOLWELL.

6. *Survey of English Literature*.—Parallel with Course 5. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Assistant Professor BOLWELL.

9. *English Composition*.—*Tues., Thurs. and Sat., 11.15 a. m.* Six semester-hour credits. Mr. MORSE.

Second Section. For Undergraduate and Graduate.

NOTE.—English 5 or 6 is prerequisite for all second section courses in literature.

20. *Types of Literature*.—*Mon., Wed. and Fri., 4 p. m.* First half-year. Three semester-hour credits. Professor CROISSANT.

21. *Literature of the Bible*.—A study of the Bible as literature. *Mon., Wed. and Fri., 4 p. m.* Second half-year. Three semester-hour credits. Professor CROISSANT.

26. *The Development of the Novel*.—The evolution of prose fiction from mediaeval romance to the modern novel. Not given in 1923-24. Six semester-hour credits. Assistant Professor BOLWELL.

27. *English Drama to 1642*.—From the beginning, exclusive of Shakespeare, to the closing of the theatres. *Mon., Wed. and Fri., 10.15 a. m.* Six semester-hour credits. Assistant Professor BOLWELL.

28. *English Drama since 1642*.—Not given in 1923-24. Six semester-hour credits. Professor CROISSANT.

32. *Age of Dryden*.—English literature from 1660 to 1700. *Tues., Thurs. and Sat.*, 10.15 a. m. First half-year. Three semester-hour credits. Professor CROISSANT.
33. *Age of Pope*.—English literature from 1700 to 1750. *Tues., Thurs. and Sat.*, 10.15 a. m. Second half-year. Three semester-hour credits. Professor CROISSANT.
36. *Wordsworth*.—"The Prelude or Growth of a Poet's Mind; an Autobiographical Poem." First half-year. *Mon., Wed. and Fri.*, 10.15 a. m. Three semester-hour credits. Professor WILBUR.
37. *Browning*.—"The Ring and the Book." Second half-year. *Mon., Wed. and Fri.*, 10.15 a. m. Three semester-hour credits. Professor WILBUR.
40. *Nineteenth Century English Prose*.—*Tues., Thurs. and Sat.*, 9.15 a. m. First half-year. Three semester-hour credits. Professor CROISSANT.
41. *English Literature since 1890*. *Tues., Thurs. and Sat.*, 9.15 a. m. Second half-year. Three semester-hour credits. Professor CROISSANT.
42. *American Literature*.—*Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Professor CROISSANT.
44. *History of the English Language*.—*Tues. and Thurs.*, 4 p. m. Four semester-hour credits. Assistant Professor BOLWELL.
45. *Oral Composition*.—*Mon., Wed. and Fri.*, 4 p. m. Six semester-hour credits. Mr. MORSE.
46. *Journalism*.—*Mon., Wed. and Fri.*, 11.15 a. m. Six semester-hour credits. Mr. MORSE.
47. *Journalism*.—The fundamentals of newspaper writing. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Mr. CHACE.
48. *Play Writing*.—*Tues. and Thurs.*, 4 p. m., and one additional hour set by the instructor. Six semester-hour credits. Mr. MORSE.

Third Section. Primarily for Graduates.

50. *Anglo-Saxon Grammar and Literature*.—First semester, grammar and prose readings; second semester, *Beowulf* and other poetry. Six semester-hour credits. Saturday seminar, 10.15 a. m. Assistant Professor BOLWELL.
51. *Middle English and Chaucer*.—First semester, 12th and 13th century literature; second semester, Chaucer and his contemporaries. Six semester-hour credits. Given in 1924-25. Assistant Professor BOLWELL.
52. *Literature of Fifteenth and Sixteenth Centuries*.—First semester, followers of Chaucer and the Renaissance; second semester, Elizabethan literature. Six semester-hour credits. Not given in 1923-24. Assistant Professor BOLWELL.
53. *Shakespeare*.—All the plays. *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Professor WILBUR.
54. *Milton*.—*Paradise Lost* and *Paradise Regained*. Not given in 1923-24. Six semester-hour credits. Professor WILBUR.
55. *English Comedy*.—Restoration and Eighteenth Century. This course should be taken only by those who have time to use the Library of Congress. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor CROISSANT.

ETHNOLOGY

Second Section. For Undergraduates and Graduates.

20. *General Introduction to Ethnology*.—A general course embracing man's place in nature; ancient man; the elements of physical anthropology; the application of statistical methods to physical anthropology; classification of living races; sociology, religious ideas, ethical ideas, and languages of primitive peoples; the beginnings of literature and art; linguistic survey of the world; ethnological survey of the world; discussion of the problems of independent origins versus diffusion; the classical British, Graebnerian, and American schools. Lectures and collateral readings. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Professor MICHELSON.

Third Section. Primarily for Graduates.

51. *Outlines of North American Ethnology*.—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. *Mon. and Wed., 5.10 p. m.* Four semester-hour credits. Professor MICHELSON.

52. *American Indian Languages*.—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. *Two hours a week.* Four semester-hour credits. Professor MICHELSON.

53. *American Indian Languages* (second course).—This is an advanced course, and members must have taken Course 52, unless they have done an equivalent elsewhere. *One hour a week.* Two semester-hour credits. Professor MICHELSON.

54. *Seminar in Ethnology*.—Competent students will be assigned topics, and the results discussed at a weekly meeting. Six semester-hour credits. Prerequisite: Course 50 with grade of A or B, or other evidence of previous training satisfactory to the instructor. This course may be taken four times, counting each time. The subject-matter will be changed yearly. This will be in accordance with the needs of individual students. Professor MICHELSON.

FRENCH

See Romance Languages.

GEOLOGY AND MINERALOGY

First Section. Primarily for Undergraduates.

1. *Mineralogy*.—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. *Mon. and Fri., 5.10 p. m.* Four semester-hour credits. Professor BASSLER and Dr. RESSER.

2. *Geology*.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general culture course or a preliminary course for those intending to make a specialty of geology. It includes

lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Textbook: Cleland's Geology. *Mon. and Fri.*, 6.00 p. m. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

3. *General Geography*.—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of two parts: first, a study of the general geographic principles; and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. *Wed.*, 5.10 p. m. Two semester-hour credits. Dr. RESSER.

6. *Human Geography*.—A general culture course in the newer treatment of geography. Human geography has as its object the study of the relationships between human activity and the phenomena of physical geography. It is of particular value in broadening one's ideas and in the study of such human subjects as History and Sociology. *Wed.*, 6.00 p. m. Two semester-hour credits. Dr. RESSER.

12. *Engineering Geology*.—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply, water purification and similar problems are discussed in detail. Textbook, *Engineering Geology* by Ries and Watson. *Mon. and Fri.*, 4.20 p. m. Four semester-hour credits. Dr. RESSER.

Second Section. For Undergraduates and Graduates.

20. *Economic Geology*.—[Geology 1 and 2 and Chemistry 1 are prerequisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and minerals used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Textbook: Ries' *Economic Geology*. Given in alternate years. Six semester-hour credits. Professor BASSLER.

22. *Paleontology*.—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor BASSLER.

Third Section. Primarily for Graduates.

50. (A) *Advanced Geology*; (B) *Mineralogy*; (C) *Paleontology*.—Advanced courses in these subjects may be arranged for competent students. Six semester-hour credits. Professor BASSLER.

51. *Advanced Geography*.—Advanced courses may be arranged in this subject for qualified students. Six semester-hour credits. Dr. RESSER.

GERMANIC LANGUAGES AND LITERATURE

First Section. Primarily for Undergraduates.

1. *Elementary*.—The essentials of German grammar; translation of easy prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two years' course in high schools and academies of good standing. *Tues., Thurs. and Sat., 11.15 a. m.* Six semester-hour credits. Professor SCHOENFELD.

2. Parallel with Course 1. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Professor SCHMIDT.

3. Selected texts from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or have satisfied the admission requirement in elementary German. *Mon., Wed. and Fri., 11.15 a. m.* Six semester-hour credits. Professor SCHOENFELD.

4. *Parallel with Course 3*.—Contemporary German is read during the first half-year and classical during the second half-year. *Mon., Wed. and Fri., 6 p. m.* Six semester-hour credits. Professor SCHMIDT.

6. *Scientific and Technical German*.—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed Course 1 or 2, or who have satisfied the admission requirement in elementary German. *Tues., Thurs. and Sat., 6 p. m.* Six semester-hour credits. Professor SCHMIDT.

7. Advanced course in German syntax; principal difficulties of the language; idioms, synonyms; translations of advanced English prose into German; essays; selected prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or 4 or 6 or have satisfied the admission requirement in advanced German. *Mon., Wed. and Fri., 1.45 p. m.* Six semester-hour credits. Professor SCHOENFELD.

8. Parallel with Course 7, with special reference to advanced students both in the historic-political and the scientific departments. *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Professor SCHOENFELD.

Second Section. For Undergraduates and Graduates.

20. *Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation*, with reference to the emerging of the Germanic, Romance, and Slavic races. Anthology of the early literary monuments to the Minnesingers.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. *Mon., Wed. and Fri., 10.15 a. m.* Six semester-hour credits. Professor SCHOENFELD.

21. *German Literature of the Second Classic Period at Its Zenith.*—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German folkslied in the eighteenth and nineteenth centuries. *Mon., Wed. and Fri., 5.10 p. m.* Not given in 1923-24. Six semester-hour credits. Professor SCHOENFELD.

22. *The Currents of German Literature from the Beginning of the Nineteenth Century Until 1870.*—Romanticism, its social and political aspects; Modern German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads; Uhland and Heine. *Mon., Wed. and Fri., 5.10 p. m.* Six semester-hour credits. Professor SCHOENFELD.

Third Section. Primarily for Graduates.

50. *Seminar in the History of Middle High German Literature*, with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsaga. Six semester-hour credits. Professor SCHOENFELD.

51. *Gothic.*—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. *Old High German.*—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year.

For notice of the Richard Heinzel Germanic Library, see page 11.

HISTORY

NOTE: Students may take for credit but one of the following courses in Mediaeval History: 1 and 2, 7, 11, 35.

Students may take for credit but one of the following courses in Modern History: 3 and 4, 8, 12, 31 and 32.

First Section. Primarily for Undergraduates.

1. *Mediaeval History.*—A history of the settlement of the Germanic tribes in the territory of the Empire, with a study of feudal institutions, extending through the movements of the Crusades; texts, with assigned readings. First half-year. *Mon., Wed. and Fri., 2.45 p. m.* Three semester-hour credits. Professor SWISHER.

2. *Mediaeval History.*—A history of the evolution of national government extending through the periods of the Renaissance and the Protestant Revolution; texts and assigned readings. Second half-year. Three semester-hour credits. *Mon., Wed. and Fri., 2.45 p. m.* Professor SWISHER.

3. *Modern European History.*—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution;

texts, lectures and collateral readings. First half-year. *Mon., Wed. and Fri.*, 3.45 p. m. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century with a more detailed study of recent issues; texts, lectures and collateral readings. Second half-year. *Mon., Wed. and Fri.*, 3.45 p. m. Three semester-hour credits. Professor SWISHER.

5. *Ancient History*.—A study of the history of the ancient Oriental peoples, and of Greece. First half-year. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Three semester-hour credits. Assistant Professor KAYSER.

6. *Ancient History*.—A study of Roman history from the beginnings to the fall of the Western Empire. Second half-year. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Three semester-hour credits. Assistant Professor KAYSER.

7. *General European History*.—A study of the history of Mediaeval Europe from the fall of the Western Empire through the Renaissance. Primarily for Freshmen. First half-year. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Assistant Professor KAYSER. Section B: *Mon., Wed. and Fri.*, 11.15 a. m. Acting Assistant Professor RISTER. Section C: *Mon., Wed. and Fri.*, 1.45 p. m. Acting Assistant Professor RISTER.

8. *General European History*.—A study of the history of Modern Europe from the Renaissance to the present time. Primarily for Freshmen. Second half-year. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Assistant Professor KAYSER. Section B: *Mon., Wed. and Fri.*, 11.15 a. m. Acting Assistant Professor RISTER. Section C: *Mon., Wed. and Fri.*, 1.45 p. m. Acting Assistant Professor RISTER.

9. *American History*.—A general introductory course in the history of the United States. Text, lectures, assigned reading, and reports. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Section B: *Tues., Thurs. and Sat.*, 11.15 a. m. Acting Assistant Professor RISTER.

11. *General European History*.—Parallel with Course 7. First half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Three semester-hour credits. Acting Assistant Professor RISTER.

12. *General European History*.—Parallel with Course 8. Second half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Three semester-hour credits. Acting Assistant Professor RISTER.

Second Section. For Undergraduates and Graduates.

22. *American History*.—The United States, 1783-1860. Text, lectures and collateral reading. *Tues., Thurs. and Sat.*, 10.15 a. m. Six semester-hour credits. Professor CHURCHILL.

23. *American History*.—The Colonial Period to 1783. Second half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL.

24. *American History*.—United States history since 1860. Second half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL. Not given in 1923-24.

25. *English History*.—A general course in English history with special attention to constitutional and political development. Texts, lectures and collateral reading. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor CHURCHILL.

26. *American History*.—The History of the West. Lectures, collateral reading, and reports. A general acquaintance with American History is presupposed. *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Professor CHURCHILL.

27. *Latin-American History*.—The history of colonial Latin-America, with special reference to European conditions and of the principal Latin-American countries to the present time. Lectures, texts and reports on collateral reading. First half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL.

28. *English History*.—Parallel with Course 25. *Tues., Thurs. and Sat.*, 11.15 a. m. Professor CHURCHILL.

29. *Ancient History*.—An advanced course for students who have completed Courses 5 and 6, or who otherwise satisfy the instructor of their fitness to pursue the course. The history of ancient Greece. Given in 1922-23. Not given in 1923-24. Three periods a week. Six semester-hour credits. Assistant Professor KAYSER.

30. *American Constitutional History*.—A study of the origin and growth of constitutional representative government of the United States, giving special attention to the development of the Federal Constitution of 1789, and to its interpretation under the pressure of party issues. Lectures, textbooks, and collateral readings. *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Assistant Professor McARTHUR.

31. *Modern European History*.—A study of the French revolution and subsequent reaction extending through the Revolution of 1848. First half-year. *Tues., Thurs. and Sat.*, 6.00 p. m. Three semester-hour credits. Professor SWISHER.

32. *Modern European History*.—From 1850 to the present time. Second half-year. *Tues., Thurs. and Sat.*, 6.00 p. m. Three semester-hour credits. Professor SWISHER.

33. *Current History*.—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. *Sat.*, 11.15 a. m. Two semester-hour credits. Professor SWISHER.

35. *General History*.—History of Europe from the fall of the Empire of the West to the election of Charles V. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Professor SWISHER and Assistant Professor McARTHUR.

37. *The Renaissance and the Reformation*.—A study of the beginnings of the Modern Period with emphasis on evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. Prerequisite: Mediaeval and Modern History. First half-year. *Tues., Thurs. and Sat.*, 10.15 a. m. Three semester-hour credits. Assistant Professor KAYSER.

38. *Revolutionary Europe*.—A study of the important transitions—political, social, economic and intellectual—that took place during the era of the French Revolution and of the domination of Napoleon. Prerequisite: Mediaeval and Modern History. Second half-year. *Tues., Thurs. and Sat.*, 10.15 a. m. Three semester-hour credits. Assistant Professor KAYSER.

39. *History and Historians*.—History: definition and contents; auxiliary sciences; relation to other studies; theories of history; study of leading historians to determine their concepts of history. First half-year. *Fri.*, 4.00 p. m. One semester-hour credit. Professor CHURCHILL.

Third Section. Primarily for Graduates.

54. *Seminary Work*.—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the Seminaries in History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods or facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminaries. Regular meeting of Seminary in Modern European, History, *Saturday*, 12.15-2.15 p. m. Six semester-hour credits. Professor SWISHER and Assistant Professor KAYSER.

55. *Seminary in English and American History*.—Readings and research work to meet the individual needs of advanced students. Readings, conference and reports. Conference hour: *Mon.*, 4-5 p. m. Six semester-hour credits. Professor CHURCHILL.

HOME ECONOMICS

First Section. Primarily for Undergraduates.

1. *Domestic Science*.—Cooking, meal planning, table service and simple dietetics. Lecture, *Mon.*, 1.45 p. m.; laboratory. Section A: *Wed. and Fri.*, 1.45-3.45 p. m. Section B: *Tues. and Thurs.*, 1.45-3.45 p. m. Six semester-hour credits. Miss EVANS.

2. *Domestic Science*.—Parallel with Course 1. Lecture, *Mon.*, 5.10 p. m.; laboratory. Section A: *Wed. and Fri.*, 5.10-6.50 p. m. Section B: *Tues. and Thurs.*, 5.10-6.50 p. m. Six semester-hour credits. Miss EVANS.

3. *Domestic Science*.—Advanced course open to those who have had Home Economics 1 or its equivalent. (a) Experimental cookery, introducing research work, formation of recipes through experiment. (b) Demonstration cookery, introducing more complicated methods of cooking, use of unusual seasonings, flavorings and fancy cookery. *Wed. and Fri.*, 1.45-3.45 p. m. Four semester-hour credits. Miss EVANS.

4. *Domestic Science*.—Parallel with Course 3. *Wed. and Fri.*, 5.10-6.50 p. m. Miss EVANS.

11. *Household Management*.—The home and homemaking; division of income; equipment and organization; labor-saving devices; cleaning, marketing and care of clothing. First half-year. *Tues. and Thurs.*, 9.15 a. m. Two semester-hour credits. Miss EVANS.

13. *Foods*.—The production, manufacture and value of the common foods: wheat, corn, rice, etc., and the food products derived from them; cocoa, chocolate, coffee, tea. Second half-year. *Tues.* and *Thurs.*, 9.15 a. m. Two semester-hour credits. Miss EVANS.

14. *Textiles and Clothing*.—This course includes a brief study of the kinds, manufacture and uses of the various textiles; also practice in the use of the sewing machine; in the application of the fundamental stitches and the making of simple garments and in the use of commercial patterns. *Tues.* and *Thurs.*, 5.10 p. m. Four semester-hour credits. Miss EVANS.

15. *Textiles and Clothing*.—Parallel with course 14. *Tues.* and *Thurs.*, 1.45 p. m. Four semester-hour credits. Miss EVANS.

INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

LATIN

See Classical Languages.

MATHEMATICS

First Section. Primarily for Undergraduates.

3. *College Algebra; Solid Geometry; Plane Trigonometry*.—Algebra is studied during the first half-year, solid geometry during February and March, and trigonometry during April and May. Section A: *Mon.*, *Wed.*, and *Fri.*, 9.15 a. m. Section B: *Mon.*, *Wed.* and *Fri.*, 11.15 a. m. Assistant Professor HODGKINS.

4. *Algebra; Plane Trigonometry*.—Algebra is studied until April 1, and trigonometry during April and May. This course is planned for students who present only one admission unit in Algebra and for students who need a review of intermediate Algebra. Six semester-hour credits. Section A: *Mon.*, *Wed.* and *Fri.*, 5.10 p. m. Mr. HANKIN. Section B: *Tues.*, *Thurs.* and *Sat.*, 5.10 p. m. Assistant Professor HODGKINS.

5. *Algebra; Plane Trigonometry*.—Parallel with Course 4. Section A: *Tues.*, *Thurs.* and *Sat.*, 9.15 a. m. Section B: *Tues.*, *Thurs.* and *Sat.*, 9.15 a. m. Six semester-hour credits. Mr HANKIN.

6. *College Algebra; Solid Geometry; Plane Trigonometry*.—Parallel with Course 3. Six semester-hour credits. Section A: *Mon.*, *Wed.* and *Fri.*, 6 p. m. Mr. HANKIN. Section B: *Tues.*, *Thurs.* and *Sat.*, 6 p. m. Assistant Professor HODGKINS.

8. *College Algebra*.—Second half-year. Three semester-hour credits. Mr. WALLIS.

9. *Trigonometry; Analytic Geometry*.—Trigonometry until Jan. 1, analytic geometry for the remainder of the session. The completion of Courses 3, 4, 5 or 6 is requisite for admission to this course. *Mon.*, *Wed.* and *Fri.*, 10.15. a. m. Six semester-hour credits. Professor ERWIN.

12. *Trigonometry; Analytic Geometry*.—Parallel with Course 9. Section A: *Mon.*, *Wed.* and *Fri.*, 5.10 p. m. Section B: *Mon.*, *Wed.* and *Fri.*, 6 p. m.

Section C: *Tues., Thurs. and Sat., 6 p. m.* Six semester-hour credits. Assistant Professor HODGKINS and Mr. HANKIN.

18. *Differential and Integral Calculus; Elements of Differential Equations.*—Section A: *Mon., Wed. and Fri., 5.10 p. m.* Section B: *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Professor HODGKINS and Professor ERWIN.

19. *Differential and Integral Calculus; Elements of Differential Equations.*—*Tues., Thurs. and Sat., 9.15 a. m.* Six semester-hour credits. Professor HODGKINS.

Second Section. For Undergraduates and Graduates.

24. *An Elementary Treatise on the Theory of Equations; The Number-System of Algebra.*—*Tues., Thurs., and Sat., 10.15 a. m.* First half-year. Three semester-hour credits. Professor ERWIN.

25. *Introduction to Infinitesimal Analysis; Hyperbolic Functions.*—*Tues., Thurs. and Sat., 10.15 a. m.* Second half-year. Three semester-hour credits. Professor ERWIN.

30. *Differential Equations.*—*Tues. and Thurs., 10.15 a. m.* Four semester-hour credits. Professor HODGKINS.

32. *Differential Equations.*—First half-year. Three semester-hour credits. Mr. HANKIN.

Third Section. Primarily for Graduates.

54. *Theory of Functions of a Complex Variable.*—*Mon., Wed. and Fri., 6 p. m.* Six semester-hour credits. Professor ERWIN.

55. *Differential Geometry.*—*Mon., Wed. and Fri., 6 p. m.* Six semester-hour credits. Professor ERWIN.

NOTE.—Not more than two of the Courses 24, 25, 54 and 55 will be given during any one semester.

56. *Mathematical Logic.*—The nature of mathematical reasoning; the fundamental concepts of mathematics; mathematical systems; consistency, independence and completeness of postulates; postulates for geometries, algebras and logic; the "algebra" of logic. Second half-year. Three semester-hour credits. Mr. HANKIN.

MECHANICAL DRAWING

First Section. Primarily for Undergraduates.

1. *Mechanical Drawing.*—A general course embracing the care and use of instruments; free-hand lettering; orthographic and isometric projections; sketching of simple machine details; principle of working drawings; practice in tracing; curve plotting. Section A: *Mon. and Wed., 1.45 to 4.45 p. m.* Section B: *Mon. and Fri., 7.30 to 10.30 p. m.* Four semester-hour credits. Mr. CRUICKSHANKS, Mr. WILSON, Mr. EHRLMAN.

2. *Machine Drawing.*—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard parts. Much stress is laid upon drafting-room practice, arrangement of views and conventional forms and standards. Section

A: *Mon.* and *Wed.*, 1.45 to 4.45 p. m. Section B: *Tues.* and *Thurs.*, 7.30 to 10.30 p. m. Four semester-hour credits. Mr. CRUICKSHANKS, Mr. WILSON.

4. *Mechanical Drawing*.—A course for Chemical students, similar to MD1 but less comprehensive. Section A: *Wed.*, 1.45 to 4.45 p. m. Section B: *Mon.*, 7.30 to 10.30 p. m. Two semester-hour credits. Mr. CRUICKSHANKS, Mr. WILSON, Mr. EHRMAN.

8. *Descriptive Geometry*.—A course of lectures, recitations, and drafting-room work on the line, point, and plane; single and double curved surfaces; tangent lines and tangent planes; intersections of lines, planes, and solids; shades, shadows and perspective. Section A: *Fri.*, 1.45 to 4.45 p. m. Section B: *Wed.*, 7.30 to 10.30 p. m. Two semester-hour credits. Mr. CRUICKSHANKS and Mr. EHRMAN.

MECHANICAL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Mechanism*.—A course in the systematic study of the kinematics of machinery in which the mechanical movements are reduced to a scientific analysis. Carefully developed problems and diagrams of changes of position and speed in mechanisms are constantly used. Some attention is given to the design of gear teeth, and a large part of the second semester is devoted to the study of steam engine valve gears. Prerequisites: Mechanical Drawing 1. Section A: *Mon.*, *Wed.* and *Fri.*, 10.15 a. m. Section B: *Mon.*, *Wed.* and *Fri.*, 6 p. m. In addition there is one two-hour drawing period per week to be arranged. Eight semester-hour credits. Mr. CRUICKSHANKS.

9. *Engineering Laboratory*.—A laboratory course intended primarily for Chemical, Civil, Electrical and Mechanical Engineering Students. This course consists of testing and calibrating engineering instruments; testing of materials used in construction; the study of the flow of water through wiers, orifices and pipes; and efficiency tests of various types of hydraulic pumps. Prerequisites: Physics 1, Applied Mathematics 20, and to be taken concurrently with Applied Mathematics 22. Two three-hour periods, second semester. Two semester hour credits. Assistant Professor PLATT.

10. *Engineering Laboratory*.—A laboratory course intended primarily for Chemical, Electrical and Mechanical Engineering Students. This course covers the testing of power plant equipment using steam as the prime mover. Prerequisites: Mechanical Engineering 20. Two three-hour periods, first semester. Two semester-hour credits. Assistant Professor PLATT.

11. *Engineering Laboratory*.—An advanced laboratory course primarily for Mechanical Engineering Students. This course covers the study and testing of Internal Combustion Engines. Prerequisites: Mechanical Engineering, 10, 20, 30. Two three-hour periods, second semester. Two semester-hour credits. Assistant Professor PLATT.

Second Section. For Undergraduates and Graduates.

20. *Thermodynamics*.—The first five months of this course are devoted to the study of the principles of thermodynamics, the theoretical gas and vapor cycles,

and the properties of steam. The remaining months are devoted to the study of steam boilers, steam turbines, gas engines, steam power plant accessories, compression and refrigeration machinery. Prerequisites: Mathematics 18 or 19, Physics 1, and Mechanical Engineering 1. Three hours throughout the year. Six semester-hour credits. Assistant Professor PLATT.

23. *Hydraulic Machinery*.—This course provides for an elementary study of hydraulic prime movers and pumping machinery. It includes the study of the theory and design of turbines and turbine blades for high and low heads, and turbine governors. Prerequisites: Applied Mathematics 21, 22; Mechanical Engineering 20. Two hours, first semester. Two semester-hour credits. Assistant Professor PLATT.

24. *Methods of Manufacture*.—A study of modern manufacturing methods, machine tools, automatic machines and quantity production. Prerequisites: Mechanical Drawing 2, Mechanical Engineering 1. Two hours, first semester. Two semester-hour credits. Mr. CRICKSHANKS.

25. *Machine Design*.—This course consists of the applications of principles already acquired to problems of design. The constructive details and calculations are discussed and the limitations of theoretical and empirical formulae pointed out. Prerequisites: Applied Mathematics 22, Civil Engineering 4, 22, Mechanical Engineering 24. One lecture recitation period and two three-hour drawing periods the first semester, two three-hour drawing periods the second semester. Five semester-hour credits. Assistant Professor PLATT.

27. *Power Plants*.—This course consists of class discussion and problems on the operation, finance and economic selection of power plant equipment. Prerequisites: First semester of Mechanical Engineering 20, and is recommended to be taken concurrently with the second semester of Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Mr. CRICKSHANKS.

29. *Heating and Ventilating*.—This course consists of the study of the principles of heating and ventilating, and includes practical problems of the applications of these principles. Prerequisites: Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Assistant Professor PLATT.

30. *Gas Engines*.—A more advanced study of the theoretical gas cycles and the operation of internal combustion engines than that given in Mechanical Engineering 20. Prerequisites: Mechanical Engineering 20. Two hours, first semester. Two semester-hour credits. Assistant Professor PLATT.

31. *Steam Turbines*.—A more advanced study of steam turbines than that given in Mechanical Engineering 20, covering a study of the theory, operation and design of both Impulse and Reaction Types of Turbines. Prerequisites: Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Assistant Professor PLATT.

32. *Industrial Management*.—This course consists of the study of the forming and development of manufacturing organizations, and the interrelationships of their various departments. Process planning and routing as well as modern efficiency methods are discussed. Prerequisites: Civil Engineering 4. Two hours, first semester. Two semester-hour credits. Assistant Professor PLATT.

33. *Engineering Economics*.—A course in economics intended primarily for engineering students. The problems selected for this course feature the consideration of the first cost, operating expense, depreciation and salvage value of equipment used in the various fields of engineering. Prerequisites: Commerce 33. Two hours, second semester. Two semester-hour credits. Assistant Professor PLATT.

34. *Refrigeration*.—A more advanced study of the thermodynamics and operation of refrigeration machinery than given in Mechanical Engineering 20. Prerequisites: Mechanical Engineering 20. Two hours, first semester. Two semester-hour credits. Assistant Professor PLATT.

35. *Balancing of Engines*.—A concentrated study of the vibrations created in moving machinery, the nature of these vibrations, their causes, and the methods used either to eliminate them entirely or to reduce them to a minimum. Prerequisites: Applied Mathematics 22, Mechanical Engineering 20, 24. Two hours, first semester. Two semester-hour credits. Assistant Professor PLATT.

Third Section. Primarily for Graduates.

50. *Advanced Machine Design*.—In this course the student may either select his own problem or be assigned one by the Department of Mechanical Engineering. If the problem is selected by the student it must be approved by the professor in charge. Not more than two students may select the same problems and work together. Prerequisites: Mechanical Engineering 25. Three three-hour periods throughout the year. Six semester-hour credits. Assistant Professor PLATT.

51. *Advanced Power Plant Design*.—For this course the student will select his own problem, which must be approved by the professor in charge. Not more than two students may select the same problem and work together. Prerequisites: Mechanical Engineering 20, 25, 30, 31. Three three-hour periods throughout the year. Six semester-hour credits. Assistant Professor PLATT.

METEOROLOGY

Third Section. Primarily for Graduates.

50. *Applied Meteorology*.—Investigation of the underlying laws governing meteorological phenomena and of the methods employed in practice for their interpretation and applications. Six semester-hour credits. Not given in 1923-24. Professor MOORE.

51. *Meteorological Physics*.—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor HUMPHREYS.

NAUTICAL SCIENCE

First Section. Primarily for Undergraduates.

1. *Nautical Science*.—Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of

meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor LITTLEHALES.

Third Section. Primarily for Graduates.

50. *Nautical Science*.—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor LITTLEHALES.

PHILOSOPHY AND PSYCHOLOGY

First Section. Primarily for Undergraduates.

11. *Psychology*.—(a) First Semester: An introductory study of human behavior. (b) Second semester: The applications of psychology in the fields of business, industry, law, medicine, and education. *Mon., Wed. and Fri., 11.15 a. m.* Six semester-hour credits. Assistant Professor MOSS.

12. *Psychology*.—Parallel with Course 11. Section A: *Mon., Wed. and Fri., 6 p. m.* Section B: *Tues., Thurs. and Sat., 5.10 p. m.* Six semester-hour credits. Assistant Professor MOSS.

Second Section. For Undergraduates and Graduates.

20. *Experimental Psychology*.—Six semester-hour credits. Not given in 1923-24. Assistant Professor MOSS.

21. *Principles of Philosophy*.—A course in the problems, theories and underlying principles of philosophy. Six semester-hour credits. *Tues., Thurs. and Sat., 9.15 a. m.* Professor RICHARDSON.

22. *Principles of Philosophy*. Parallel with Course 21. Six semester-hour credits. *Mon., Wed. and Fri., 5.10 p. m.* Professor RICHARDSON.

23. *History of Philosophy*.—(a) First semester: Ancient and mediaeval philosophy. (b) Second semester: Modern philosophy. Special attention is directed to the relation of philosophical conceptions to the world's progress. Six semester-hour credits. *Tues., Thurs. and Sat., 10.15 a. m.* Professor RICHARDSON.

24. *History of Philosophy*.—Parallel with Course 23. Six semester-hour credits. *Mon., Wed. and Fri., 6.00 p. m.* Professor RICHARDSON.

25. *Logic*.—The field of logic; the organization of knowledge; induction and deduction; logical analysis. Special attention is paid to the historical development of inductive science. First semester. *Mon., Wed. and Fri., 10.15 a. m.* Three semester-hour credits. Professor RUEDIGER.

26. *Logic*.—Parallel with Course 25. First semester. *Mon., Wed. and Fri., at 5.10 p. m.* Three semester-hour credits. Professor RUEDIGER.

27. *Ethics*.—A consideration of the principle ethical theories from the historical and social points of view. Second semester: *Mon., Wed. and Fri., 10.15 a. m.* Three semester-hour credits. Professor RUEDIGER.

28. *Ethics*.—Parallel with Course 27. Second semester: *Mon., Wed. and Fri.*, 5.10 p. m. Three semester-hour credits. Professor RUEDIGER.

31. *Psychological Tests*.—The testing of General Intelligence, special abilities, and educational accomplishments, accompanied by practical work with group and individual tests. A study will be made of the principles underlying the construction of tests and examinations, and one or more tests will be constructed and standardized. Special attention will be paid to the uses of tests in the field of education. Some attention will also be given to the uses made of tests in the field of employment psychology and in the fields of medicine, law, and social service. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Assistant Professor MOSS.

Third Section. Primarily for Graduates.

50. *Seminar in Psychology*.—Human Nature as observed by eminent writers in the fields of literature and the social sciences. Outstanding works will be assigned for reports by individual students. An effort will be made at the end of the course to organize the material thus presented into a comprehensive whole. *Tues. and Thurs.*, 6.00 p. m. Six semester-hour credits. Assistant Professor MOSS.

51. *Seminar in Philosophy*.—The topic for 1923-24 will be the Philosophy of Religion. An attempt will be made to clarify some of the long-standing theological problems. *Wed.*, 7-9 p. m. Six semester-hour credits. Professor RICHARDSON.

52. *Advanced Experimental, Abnormal or Physiological Psychology*.—In 1923-24 the topic will be Personality. Prerequisite: General and experimental psychology. Conferences, reading of recent literature, and demonstrations. *Tues.*, 7.30-9.30 p. m. Six semester-hour credits. Professor FRANZ.

53. *Research in Psychology*.—Advanced students who select psychology as major or minor for the degree of A. M. or Ph. D. will be given special topics for investigation in abnormal, physiological or experimental psychology. To be preceded or accompanied by Course 52 or its equivalent. Six semester-hour credits. Professor FRANZ.

54. *Philosophy of Freedom*.—The metaphysical basis of the problem of freedom; freedom as a problem of ethics; the value of freedom; freedom and responsibility; the problem of freedom in organized society, or the place of freedom in the philosophy of the state; the application of freedom to legal problems. Prerequisites: Logic, Ethics and Political Science. Six semester-hour credits. Mr. HANKIN.

56. *Mathematical Logic*.—(Same as Mathematics 56.) Second half-year. Three semester-hour credits. Mr. HANKIN.

PHYSICS

First Section. Primarily for Undergraduates.

1. *General Physics*.—A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations. This is a required course

for Sophomores in Engineering, and may be elected by the general student who has completed Mathematics 9 or 12. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 11.15 a. m.; Section B: *Mon., Wed. and Fri.*, 5.10 p. m. Assistant Professor CHENEY.

2. *Laboratory Physics*.—Laboratory methods, accurate measurement of physical quantities, and experimental study of physical laws and apparatus. Course 2 is arranged to accompany Course 1, and may not otherwise be taken without previous preparation in Physics equivalent to Course 1. Two two-hour periods. *Tues. and Thurs.*, 10.15 a. m., 2.45 or 7.30 p. m., or *Mon. and Fri.*, 7.30 p. m. Four semester-hour credits. Professor BROWN, Assistant Professor CHENEY, Messrs. EICHLIN, BROMBACHER and WHITE and assistants.

3. *Introductory General Physics*.—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of the student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 1.45 p. m. Section B: *Mon., Wed. and Fri.*, 6 p. m. Professor BROWN.

4. *Introductory Laboratory Physics*.—Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurement. Course 4 is arranged to accompany Course 3, and may not otherwise be taken without previous preparation in Physics equivalent to Course 3. *Tues. and Thurs.*, 10.15 a. m., or *Tues. and Thurs.*, 2.45 p. m., or *Mon. and Fri.*, 7.30 p. m. Four semester-hour credits. Professor BROWN, Assistant Professor CHENEY, and Messrs. EICHLIN, BROMBACHER and WHITE and assistants.

9. *Elementary Electricity and Magnetism and Its Applications*.—The plan of this course is to familiarize the student of general science with electrical equipment and machinery, and with the principles that underlie their operation. The fundamental principles of electricity and magnetism are presented in a non-technical manner and illustrated by many experimental demonstrations. No previous college preparation required. Four semester-hour credits. Professor BROWN. Not given in 1923-24.

Second Section. For Undergraduates and Graduates.

20. *Mechanics, Molecular Physics, and Heat*.—An introduction to Theoretical Mechanics, including the dynamics of wave motion, hydrodynamics, and molecular phenomena such as surface tension, elasticity, viscosity, etc. A study of Heat from both the experimental and theoretical points of view followed by an introduction to thermodynamics. Six semester-hours credits. *Tues., Thurs. and Sat.*, 5.10 p. m. Assistant Professor CHENEY.

22. *Light and Sound*.—The topic of Light constitutes the major portion of the course. Sound for the most part is not studied separately but in parallel with correlated light phenomena. Six semester-hour credits. Not given in 1923-24.

23. *Electricity and Magnetism*.—A recitation and lecture course, using Starling's *Electricity and Magnetism* as a class text, and the more advanced

texts and the literature for reference reading. Special attention will be given to the electron theory and its relation to modern physical science. Six semester-hour credits. *Tues., Thurs. and Sat., 5.10 p. m.* Not given in 1923-24. Assistant Professor CHENEY.

NOTE.—Courses 21 to 23 inclusive, constitute a complete intermediate course in Physics which may be taken during their Junior and Senior years by students specializing in physics and allied sciences. They should be accompanied whenever possible by laboratory work in Course 25. See the schedule for such students on page 52. Physics 1 and 2, and Mathematics 18 or 19, or the equivalents of these, are required for admission to any of these courses.

25. *Advanced Laboratory Physics.*—This course is planned to follow Course 2, and is given for students especially interested in Physics. The experimental work may be of a general nature, or may follow special lines of study, according to the needs of the individual student. Course 25 may advantageously be taken by students in Courses 21, 22 and 23. One or more periods per week. Two semester-hour credits for each period. Hours by arrangement. Professor BROWN and Assistant Professor CHENEY.

28. *Radio Principles and Practice.*—A study of the elementary theory of electric oscillations and electro-magnetic waves, and of their applications to wireless communication. Physics Courses 1 and 2, and Mathematics 18 or 19, or their equivalents, are required for admission. Six semester-hour credits. Two recitations and one laboratory period. Not given in 1923-24. Professor BROWN.

Third Section. Primarily for Graduates.

51. *Bibliography and Survey.*—In recognition of the value to the research student of a thorough study of the literature of his chosen field as a prelude to active research, credit is offered under this course for (1) the preparation of a bibliography of that field, including brief abstracts of the more important articles, and (2) a systematic analysis of the lines of investigation along which further development is most promising, and a listing of available research problems. Three semester-hour credits. Professor BROWN or Assistant Professor CHENEY.

52. *Introduction to Mathematical Physics.*—The plan of this course is to make the student acquainted with the special tools of Mathematical Physics, such as vector analysis, generalized co-ordinates, etc. The prerequisites are: Mathematics 18, 19, or the equivalent, and at least one of the physics Courses 20 to 23. Six semester-hour credits. *Mon., Wed. and Fri., 5.10 p. m.* Professor BROWN.

55. *Laboratory Physics for Graduate Students.*—This course must be preceded by two or more of Courses 21-23, inclusive, and three or more semester-hour credits in Course 25, or their equivalents. The experimental problems are somewhat longer than those of Course 25, and along more specialized lines, requiring more originality and initiative on the part of the student. This course is primarily intended to supply the laboratory experience required for active research work. One or more laboratory periods. Two semester-hour credits

for each period. Hours by arrangement. Professor BROWN and Assistant Professor CHENEY.

57. *Statistical Mechanics and Kinetic Theory*.—This course is a study of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Wall's equations and molecular aggregation and dissociation. Gibbs' statistical mechanics and Jean's Dynamical Theory of Gases. A lecture and seminar course. *Mon.* at 5.10 p. m. Two semester-hour credits. Mr. VAN ORSTRAND.

58. *Elasticity*.—The physical properties of solids as applied to problems in geophysics. Homogenous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's Mathematical Theory of Elasticity. A lecture and seminar course. Not given in 1923-24. Mr. VAN ORSTRAND.

60. *Least Squares*.—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merriman's Method of Least Squares. A lecture and recitation course. First half-year. Two semester-hour credits. Not given in 1923-24. Mr. VAN ORSTRAND.

61. *Conduction of Heat*.—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's Mathematical Theory of Heat Conduction. A lecture and recitation course. Second half-year. Two semester-hour credits. Not given in 1923-24. Mr. VAN ORSTRAND.

POLITICAL SCIENCE

First Section. Primarily for Undergraduates.

1. *Government of the United States*.—Besides an analysis of the structure of the federal government this course includes a study of the powers and the influence of the President, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts and of the various commissions. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Professor HILL. Section B: *Mon., Wed. and Fri.*, 10.15 a. m. Professor HILL. Section C: *Tues., Thurs. and Sat.*, 11.15 a. m. Dr. WEST.

2. *Government of the United States*.—Parallel with Course 1. *Tues., Thurs. and Sat.*, 6.00 p. m. Three semester-hour credits. Dr. WEST.

3. *State Government*.—*Political Science 1 continued*.—A brief survey of the British, French, and Swiss governments is made. The relation of the states to the United States, the privilege of voting, the formation of public opinion, direct legislation, police power, public utilities, and executive responsibility form the chief topics. A rapid survey is made of the three types of city government and of the county and township governments. Second half-year. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Professor

HILL. Section B: *Mon., Wed. and Fri., 10.15 a. m.* Professor HILL. Section C: *Tues., Thurs. and Sat., 11.15 a. m.* Dr. WEST.

4. *State Government.*—Parallel with Course 3. *Tues., Thurs. and Sat., 6.00 p. m.* Three semester-hour credits. Dr. WEST.

Second Section. For Undergraduates and Graduates.

21. *Comparative European Governments.*—First half-year. *Mon., Wed. and Fri., 11.15 a. m.* Three semester-hour credits. Professor HILL. Not given in 1923-24.

22. *Comparative European Governments (continued).*—Second half-year. *Mon., Wed. and Fri., 11.15 a. m.* Three semester-hour credits. Professor HILL. Not given in 1923-24.

23. *City Government in the United States.*—A study of the origin and structure of the mayor and council, commission, and city manager plans, home rule, the relation of the city to the state, municipal powers and officers, social and individual rights, and of references to European experience. First half-year. *Mon., Wed. and Fri., 5.10 p. m.* Three semester-hour credits. Dr. WEST.

24. *Constitutional Law.*—The interpretation of clauses in the constitutions of the United States and of the separate states affecting officers, courts, powers of Congress, police power, and private rights as found in judicial decisions forms the subject matter. Prerequisite: Political Science I or the equivalent. Second half-year. *Mon., Wed. and Fri., 5.10 p. m.* Three semester-hour credits. Dr. WEST.

25. *Political Theory.*—Readings from the political works of Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, and others, and a study of modern political doctrines. The aim of the course is to give the student a knowledge of ancient and modern ideas of the purpose for which the state exists, and to analyze the state as a legal entity. First half-year. *Mon., Wed. and Fri., 6 p. m.* Three semester-hour credits. Dr. WEST.

27. *International Relations.*—The leading European treaties, especially during the last century. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. *Mon., Wed. and Fri., 11.15 a. m.* Three semester-hour credits. Professor HILL.

28. *International Relations (continued).*—Leading American treaties form the basis for this course. Second half-year. *Mon., Wed. and Fri., 11.15 a. m.* Three semester-hour credits. Professor HILL.

29. *Principles of International Law.*—First half-year. *Tues., Thurs. and Sat., 5.10 p. m.* Three semester-hour credits. Professor HILL.

30. *Principles of International Law (continued).*—Second half-year. *Tues., Thurs. and Sat., 5.10 p. m.* Three semester-hour credits. Professor HILL.

32. *American Political Parties.*—The organization, policies, platforms, and campaigns of American political parties of the past, and a special study of modern party machinery. Second half-year. *Mon., Wed. and Fri., 6.00 p. m.* Three semester-hour credits. Dr. WEST.

35. *Governments and Politics of the Far East.*—The opening of China and Japan and the resulting problems, such as extraterritoriality, leased areas,

spheres of interest, and customs regulation, with special attention to relations of the United States with the Orient. First half-year. *Tues., Thurs. and Sat., 10.15 a. m.* Three semester-hour credits. Dr. WEST.

36. *Governments and Politics of Latin America.*—The colonial systems; the establishment of the republics; the development of their governments; Pan-Americanism; the World War. Special attention is paid to relations with the United States. Second half-year. *Tues., Thurs. and Sat., 10.15 a. m.* Three semester-hour credits. Dr. WEST.

Third Section. Primarily for Graduates.

53. *Seminar in Political Science.*—Reports and discussions. First half-year. *Tues., Thurs. and Sat., 6.00 p. m.* Three semester-hour credits. Professor HILL.

54. *Seminar in Political Science (continued).*—Second half-year. *Tues., Thurs. and Sat., 6.00 p. m.* Three semester-hour credits. Professor HILL.

PREVENTIVE MEDICINE AND HYGIENE

Third Section. Primarily for Graduates.

50. *Preventive Medicine and Hygiene.*—A reading and discussion course dealing with etiology and prevention of communicable diseases, including disinfection and quarantine; immunity, heredity and eugenics; air and air conditioning, ventilation and heating; food and problems in nutrition; water; sewage and refuse disposal, soil; industrial hygiene; school sanitation; personal hygiene; mental hygiene; and vital statistics. Each student prepares an essay on some preventive medicine topic in which he is interested. Hours to be arranged. Six semester-hour credits. Professor WHITMORE.

51. *Public Hygiene.*—A didactic, laboratory and field course on the methods used in public health work; chemical and bacteriological examination of water and milk; light and lighting; air—humidity, dust, CO₂ and poisonous gases; altitude; standardization of disinfectants and disinfection; meningococcus isolation and detection; gonococcus diagnosis; pneumococcus typing; tuberculosis diagnosis; typhoid diagnosis and examination of feces; diphtheria diagnosis and the Schick test; smallpox vaccine and vaccination; bacterial vaccines; control and testing of biological products; and vital statistics.

The field work will consist of a sanitary survey; visits to water purification plants, sewage disposal works, refuse disposal plants, dairies, pasteurization plants, industrial plants, and a model county health organization.

This course is open to persons who have taken Course 50 or its equivalent. The course may be modified to suit the needs of the class. Hours to be arranged. Six semester-hour credits. A laboratory fee of ten dollars is charged in this course to cover the cost of material used. Students will pay their own expenses on the field visits. Professor WHITMORE.

ROMANCE LANGUAGES AND LITERATURES

French

First Section. Primarily for Undergraduates.

1. *First-Year Course.*—For beginners. Fraser and Squair's New French Grammar. Grammar, composition, drill in pronunciation, translation and

reading of modern French fiction, comedy and history. For beginners. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Mr. GIDDINGS. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Mr. DEIBERT.

2. *First-Year Course*.—For beginners. Parallel with Course 1. Fraser and Squair's New French Grammar. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Mr. DEIBERT. Section B: *Mon., Wed. and Fri.*, 6 p. m. Mr. CULLOM. Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Mr. GIDDINGS. Section D: *Tues., Thurs. and Sat.*, 6 p. m. Mr. KRAMER. Section X: *Tues., Thurs. and Sat.*, 6 p. m. (second half-year). Mr. ———. (This section will be given if elected by a sufficient number of students.)

3. *Second-Year Course*.—Fraser and Squair's French Grammar. First text, Hervieu, "La course du flambeau" (Heath); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Professor HENNING. Section B: *Tues., Thurs. and Sat.*, 10.15 a. m. Mr. DEIBERT. Section C: *Mon., Wed. and Fri.*, 11.15 a. m. Mr. GIDDINGS.

4. *Second-Year Course*.—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Hervieu, "La course du flambeau" (Heath); other texts to be announced. Six semester-hour credits. Section A: *Tues., Thurs. and Sat.*, 5.10 p. m. Mr. KRAMER. Section B: *Tues. Thurs. and Sat.*, 6 p. m. Mr. CULLOM.

5. *General Survey of Modern French Literature*.—(Nineteenth, eighteenth, and seventeenth centuries.) Translation, collateral reading and reports thereon, lectures on literature. Open to students who have passed in Courses 3 or 4, or have fulfilled the admission requirements in Advanced French. Six semester-hour credits. *Mon., Wed. and Fri.*, 4 p. m. Professor HENNING and Mr. DEIBERT.

6. *Parallel with French 5*.—Six semester-hour credits. *Tues., Thurs. and Sat.*, 6 p. m. Mr. DEIBERT.

7. *Conversation and Composition (Elementary Course)*.—Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. M. BENÉTEAU. (This course will be given only if elected by at least twelve students at the beginning of the year.)

8. *Conversation and Composition (Advanced Course)*.—Open to students who have passed in French 7, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Mon., Wed. and Fri.*, 6 p. m. M. BENÉTEAU. (This course will be given only if elected by at least ten students at the beginning of the year.)

Second Section. For Undergraduates and Graduates.

(Courses in this group are open to students who have passed in Courses 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

21. *Literature of the Seventeenth Century*.—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Balzac, Boileau, Corneille, Descartes, Fénelon, Mme. de La Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evremond, Saint-Simon, Mme. de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Professor HENNING. (Not given in 1923-24.)

23. *Literature of the Eighteenth Century*.—History, philosophy, criticism, letters, drama, fiction, poetry, the "salons," the idea of progress, the idea of science. Bayle, Fontenelle, Abbé, de Saint Pierre, Marquise de Lambert, Madame de Tencin, Montesquieu, Voltaire, J.-J. Rousseau, Diderot, the Encyclopedists, etc. Translation, collateral reading and reports, lectures on literature and history. Six semester-hour credits. *Mon., Wed. and Fri.*, 4 p. m. Mr. DEIBERT. (Not given in 1923-24.)

26. *Literature from 1750 to 1850; The Romantic Movement*.—History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Chénier, Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Micheler, Musset, Sainte-Beuve, George Sand, Mme. de Staël, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Professor HENNING. (Not given in 1923-24.)

28. *Literature from 1850 to the Present*.—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaitre, Loti, Maeterlinck, Maupassant, Mérimée, Renan, Rostand, Sully Prudhomme, Taine, Verlaine, etc. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Professor HENNING.

Third Section. Primarily for Graduates.

50. *Old French*.—Philology and Literature. *La Chanson de Roland* and Chrétien de Troyes. Phonology and morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the 13th century. Some knowledge of Latin is essential. Six semester-hour credits. Professor DOYLE. (Not given in 1923-24.)

52. One course in the literature of the seventeenth century will be arranged for competent graduates. Six semester-hour credits. *Mon., Wed. and Fri.*, 3 p. m. Professor HENNING.

Spanish

First Section. Primarily for Undergraduates.

1. *First-Year Course*.—For beginners. Hill's and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Mr. DEIBERT. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Mr. GIDDINGS. Section C: *Mon., Wed. and Fri.*, 10.15 a. m. Mr. GIDDINGS.

2. *First-Year Course*.—For beginners. Parallel with Course 1. Hill's and Ford's First Spanish Course. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Professor DOYLE. Section B: *Mon., Wed. and Fri.*, 6 p. m. Mr. MILLER. Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Assistant Professor JONES. Section D: *Tues., Thurs. and Sat.*, 6 p. m. Mr. MILLER. Section E: *Mon., Wed. and Fri.*, 5.10 p. m. Mr. VASQUEZ. Section F: *Mon., Wed. and Fri.*, 6 p. m. Assistant Professor JONES.

Section X: *Tues., Thurs. and Sat.*, 5.10 p. m. (second half-year). Mr. ACOSTA (This section will be given if elected by a sufficient number of students.)

3. *Second-Year Course*.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. First text, Hill and Buceta, "Antología dementor españoles" (Heath). Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Mr. DEIBERT. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Professor DOYLE.

4. *Second-Year Course*.—Parallel with Course 3. Six semester-hour credits. First text, Hill and Buceta, "Antología dementor españoles" (Heath). Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Mr. GIDDINGS. Section B: *Tues., Thurs. and Sat.*, 5.10 p. m. Professor DOYLE.

5. *General Survey of Modern Spanish Literature*.—Eighteenth and Nineteenth Centuries; contemporary writers. Translation of representative works of fiction, drama and poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Open to students who have passed in Spanish 3 or 4, or who otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. *Mon., Wed. and Fri.*, 2.45 p. m. Professor DOYLE.

6. *Parallel with Spanish 5*.—Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Assistant Professor JONES.

7. *Conversation and Composition (Elementary Course)*.—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take it. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Mr. VASQUEZ. (This course will be given only if elected by at least twelve students at the beginning of the year.)

8. *Conversation and Composition (Advanced Course)*.—Open to students who have passed in Spanish 7, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Mon., Wed. and Fri.*, 6.00 p. m. Mr. VASQUEZ. (This course will be given only if elected by at least ten students at the beginning of the year.)

Second Section. For Undergraduates and Graduates.

(Courses in this group are open to students who have passed in Course 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

22. *Spanish Literature of the Sixteenth and Seventeenth Centuries*.—The Golden Age. Cervantes, Calderón, Lope de Vega. The classic Spanish drama. Origins

and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside reading, lectures. A large amount of collateral reading will be required. *Mon., Wed. and Fri.*, 6.00 p. m. Six semester-hour credits. Professor DOYLE.

28. *Spanish-American Literature in Prose and Verse*.—Study of leading critics, essayists, historians, novelists, poets; Rodó, Hostos, Blanco-Fombona, Blest, Gana, Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Lectures, translation, reports on outside reading. A large amount of collateral reading will be required. Six semester-hour credits. Hours to be arranged. Assistant Professor JONES. *Tues., Thurs. and Sat.*, 6.00 p. m. (This course will be given only if elected by at least eight students at the beginning of the year.)

Third Section. Primarily for Graduates.

50. *Old Spanish*.—Philology and Literature. *Poema del Cid*, *Libro de Buen Amor*, *Conde Lucanor*, etc. Ford's "Old Spanish Readings" (Ginn). Some knowledge of Latin is essential. Six semester-hour credits. Hours to be arranged. Professor DOYLE.

Italian

First Section. Primarily for Undergraduates.

2. *First-Year Course*.—For beginners. Phelps' Italian Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern Italian fiction, comedy, history, and descriptive matter. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Mr. MILLER. (This course will be given only if elected by at least twelve students at the beginning of the year.)

4. *Second-Year Course*.—Phelps' Italian Grammar. First text, *Giocosa*, "Tristi Amori." Other texts to be announced. Open to students who have passed in Italian 2, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Tues., Thurs. and Sat.*, 5.10 p. m. Mr. MILLER. (This course will be given only if elected by at least eight students at the beginning of the year.)

Portuguese

First Section. Primarily for Undergraduates.

1. *First-Year Course*.—For beginners. Branner's Portuguese Grammar; Barreto and Laet's *Anthologia Nacional*. Phonetics and drill in pronunciation, dictation, grammar, translation, composition and conversation. In the second semester the classes are conducted mainly in Portuguese. *Mon., Wed. and Fri.*, 2.45 p. m. Six semester-hour credits. Professor COUTINHO. Not given in 1923-1924.

3. *Second-Year Course*.—Barreto and Laet's *Anthologia Nacional*; Mendes dos Remedios' *Historia de Literatura Portuguesa*. Advanced grammar, composition, reading and translation of modern prose and poetry (Portuguese and Brazilian authors of XVIII and XIX centuries). In the second semester Portuguese authors of XVI and XVII centuries. Classes will be conducted in Portuguese. *Mon., Wed. and Fri.*, 1.45 p. m. Six semester-hour credits. Professor COUTINHO. Not given in 1923-24.

Comparative Romance Literatures

First Section. Primarily for Undergraduates.

2. *Literary Evolution of Romance Languages.*—General Survey of the history of literary movements in the Latin countries of Europe and in Latin America, from the tenth century to the present time. Students will be required to read during the course the principal authors in English translations. *Mon., Wed. and Fri.*, 4.00 p. m. Six semester-hour credits. Professor COUTINHO. Not given in 1923-24.

SEMITIC LANGUAGES AND LITERATURE

Second Section. For Graduates and Undergraduates.

20. *Elementary Hebrew.*—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. *Advanced Hebrew.*—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and post-biblical literature. Two hours a week. Four semester-hour credits. Professor SCHAPIRO.

Third Section. Primarily for Graduates.

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour credits. Professor SCHAPIRO.

ZOOLOGY

First Section. Primarily for Undergraduates.

1. *Systematic Zoology.*—Invertebrates. This includes lectures and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with biological characters, classificatory laws, and the general principles of evolution. Lecture, *Fri.*, at 5.10 p. m.; laboratory, *Mon. and Wed.*, 5.10-6.50 p. m. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT and Miss MACMILLAN.

2. *Systematic Zoology.*—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Lecture, *Mon.*, 6.00 p. m.; laboratory, *Wed. and Fri.*, 5.10-6.50 p. m. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT, and Miss MACMILLAN.

3. *Pre-Medical Zoology.*—Invertebrates and vertebrates. A lecture and laboratory course covering the pre-medical requirements. Lecture *Mon.*, 5.10 p. m. Three two-hour laboratory periods. Eight semester-hour credits. Professor BARTSCH, Miss MACMILLAN, Mr. SCHMITT, and Miss REEVES.

Second Section. For Undergraduates and Graduates.

20. *Practical Zoology*.—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester-hour credits. Professor BARTSCH.

23. *Ornithology*.—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life of birds. The laboratory work consists in classifying bird skins, of which the University possesses an excellent series. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits of these forms. Lecture, one hour; laboratory, one two-hour period. Four semester-hour credits. Professor BARTSCH.

Laboratory courses in histology and physiology will be arranged for competent students.

Third Section. Primarily for Graduates.

50. Courses may be arranged for competent graduates. Six semester-hour credits. Professor BARTSCH.

SUMMER SCHOOL

ARTS AND SCIENCES

1923

CALENDAR

June 14-30	Registration period.
June 18	<i>Monday</i> —Instruction begins in the nine-week classes coming at 7:45 a. m. and in all the afternoon classes, except when otherwise noted in the text.
June 25	<i>Monday</i> —Instruction begins in the six-week classes coming in the forenoon.
July 4	<i>Wednesday</i> —Holiday.
July 7	<i>Saturday</i> —Classes meet at the usual hours.

ADMISSION

No entrance examinations or certificates of work completed in secondary schools will be required for admission to the Summer School, but no student will be allowed to register for any except an elementary course until he has given evidence satisfactory to the instructor concerned or to the Director that he is qualified to pursue the course to advantage.

REGISTRATION

The Registrar's office, 2033 G Street N. W., will be open to receive registrations from 10 a. m. to 6 p. m., after June 14. *Registration for courses, changes in registration, and the dropping of courses must all be arranged through the Registrar's office.*

CREDIT

The units of credit in semester hours carried by the several courses are indicated both in the schedule of classes on pages 6-8 and in the descriptive outlines of the course on pages 9-15. A semester-hour of work covers a minimum of fifteen class or laboratory periods.

Work satisfactorily completed in the Summer School will be accredited toward a degree at George Washington University on the same basis as work completed during the regular session. Three courses are considered full work, but for reasons of weight a student may be allowed to register for four courses.

CERTIFICATES

Certificates of attendance and of work satisfactorily completed will be issued on or about September 1.

FEES

Tuition fee per semester-hour.....	\$6.00*
Laboratory fees:	
Chemistry S 2, S 3, and S 7, each.....	10.00
Chemistry S 20, \$15; S 21.....	20.00
Home Economics 1 and 3.....	3.00
Chemistry S 8; Physics 2a or 2b.....	5.00
Breakage deposit in chemistry, the amount paid in excess of breakage to be returned, S 2, S 3, S 7, and S 8, each.....	10.00
Courses S 20, \$15; S 21.....	20.00
Microscope rental in Zoology.....	2.00

PAYMENT OF FEES

All fees are payable at the Treasurer's Office, 2033 G Street, by July 3. Students who find it impossible to pay their fees by that date should make special arrangements with the Registrar when they register. No certificate of attendance or of credit will be issued unless all fees have been paid.

Students who are compelled to withdraw before the end of the session should promptly notify the Registrar, who will make a fair adjustment of the fees. No separate registration fee is charged, but one dollar of the tuition fee may not be canceled. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

LIBRARY

The University Library, which is found in the first floor of Lisner Hall, will be open during the session of the Summer School.

* Except for those George Washington University students who paid \$5.00 per semester hour during 1922-23.

FACULTY

HOWARD LINCOLN HODGKINS, Ph. D., Sc. D. *President of the University*
 WILLIAM CARL RUEDIGER, Ph. D. *Director of the Summer School*

LEVI RUSSELL ALDEN, A. M. *Professor of Commercial Law*
 PAUL BARTSCH, Ph. D. *Professor of Zoology*
 ANDRE BENETEAU *Instructor in French*
 ROBERT WHITNEY BOLWELL, Ph. D. *Assistant Professor of English*
 THOMAS BENJAMIN BROWN, Ph. D. *Professor of Physics*
 CATHERINE CHAPMAN, A. B. *Assistant in Zoology*
 WALTER LYNN CHENEY, Ph. D. *Assistant Professor of Physics*
 GEORGE M. CHURCHILL, Ph. D. *Professor of History*
 DEWITT CLINTON CROISSANT, Ph. D. *Professor of English*
 JOHN THOMAS ERWIN, A. M. *Professor of Mathematics*
 MARGARET BINFORD EVANS, B. S. *Instructor in Home Economics*
 OWEN B. FRENCH, C. E. *Professor of Surveying*
 ROBERT F. GRIGGS, Ph. D. *Professor of Botany*
 GREGORY S. HANKIN, A. M. *Instructor in Mathematics*
 CHARLES E. HILL, Ph. D. *Professor of Political Science*
 HARRY GRANT HODGKINS, A. B. *Assistant Professor of Mathematics*
 CECIL KNIGHT JONES, B. Litt. *Assistant Professor of Spanish*
 ELMER LOUIS KAYSER, A. M.,
 Assistant Professor of History and Secretary of the University
 ROBERT RUSS KERN, A. B. *Professor of Economics*
 JOHN R. LAPHAM, M. S. *Professor of Civil Engineering*
 HIRAM C. MCNEIL, Ph. D. *Professor of Chemistry*
 J. LEWIS MONEYWAY, A. M. *Instructor in English*
 F. A. MOSS, A. M. *Assistant Professor of Psychology*
 MERLE I. PROTZMAN, A. B. *Instructor in Romance Languages*
 CHARLES ELMER REESER, Ph. D. *Assistant Professor of Geology*
 EDWARD E. RICHARDSON, M. D., Ph. D. *Professor of Philosophy*
 WILLIAM CARL RUEDIGER, Ph. D. *Professor of Educational*
 Psychology and Dean of Teachers College
 ALFRED F. W. SCHMIDT, A. M. *Professor of German*
 JAMES B. SULLIVAN, M. A. *Instructor in Education*
 HAROLD GRIFFITH SUTTON, M. S. *Assistant Professor of Economics*
 OTIS DOW SWETT, S. B., LL. M. *Professor of Chemistry*
 ANGEL C. VASQUEZ *Instructor in Spanish*
 WARREN REED WEST, Ph. D. *Instructor in Political Science*
 WILLIAM ALLEN WILBUR, A. M., Litt. D.,
 Professor of English and Dean of Columbian College

SCHEDULE OF CLASSES

The two-semester-hour classes *coming in the forenoon* begin on June 25, and all the others, unless otherwise noted in the text, on June 18. The two-semester-hour classes meet five times a week for six weeks and the three-semester-hour classes five times a week for nine weeks. No classes will be held Wednesday, July 4, but classes will meet on Saturday, July 7.

Courses which open with less than ten students may be withdrawn.

	A. M.	Semester-hour	Instructor
	7:45-8:40	credits	
S1	Astronomy	3	Professor Erwin
S3	Botany (Saturdays)	3	Professor Griggs
S27	School Administration	3	Mr. Sullivan
S2a	Rhetoric and Composition	3	Professor Wilbur
S35b	The Renaissance	3	Professor Kayser
SXXVI	Philosophy	2	Professor Richardson
	8:00-10:00		
SX	Nature Study	3	Professor Bartsch
	9:15-10:15		
S18a	Jr. H. S. History	2	Professor Kayser
S21b	Principles of Teaching	2	Professor Ruediger
S23	Shakespeare	2	Professor Wilbur
S14	Textiles and Sewing	2	Miss Evans
S1	U. S. Government	2	Dr. West
	10:15-11:15		
S25a	Junior High School	2	Mr. Sullivan
SXLI	The Romantic Poets	2	Professor Wilbur
S1	Psychology	2	Professor Ruediger
S36	Latin America	2	Dr. West
	10:15-12:15		
S3	Domestic Science	2	Miss Evans
	11:15-12:15		
S1a	Economics	2	Professor Sutton
S18b	Jr. H. S. English	2	Mr. Sullivan
S31b	Educational Measurement	2	Professor Moss
SI	Food and Nutrition	2	Miss Evans
S3	Logic	2	Mr. Hankin
	P. M.		
	4:10-5:00		
S29a	American Literature	3	Professor Croissant
S2	U. S. Government	3	Professor Hill
	5:10-6:00		
S6	Foundations	1	Professor Lapham
S33a	Commercial Law	2	Professor Alden
S40	Industrial History	3	Professor Sutton

S2a	General Economics	3	Professor Kern
S22	History of Education	3	Professor Kayser
S6a	Literature	3	Professor Bolwell
SXX	Bible	3	Professor Croissant
S2a	First-Year French	3	Mr. Protzman
S7	Conversational French	3	Mr. Beneteau
S3	Geography	2	Professor Resser
SIV	German	3	Professor Schmidt
S9a	American History	3	Professor Churchill
S4a	College Algebra	3	Professor Hodgkins
S9b	Analytic Geometry	3	Professor Erwin
S25	Applied Psychology	3	Professor Moss
S1a	General Physics	3	Professor Cheney
S3a	Introductory Physics	3	Professor Brown
S28	American Treaties	3	Professor Hill
S2b	Spanish—second semester	3	Professor Jones
	5:10-6:50		
S1	General Chemistry	6	Professor Swett
S8	Organic Chemistry	6	Professor McNeil
	6:00-6:50		
S5	Surveying Instruments	1	Professor French
S33b	Commercial Law	2	Professor Alden
S2b	Economics—2d semester	3	Professor Kern
SXXXV	International Finance	3	Professor Sutton
S6b	Literature	3	Professor Bolwell
S25	Modern Drama	3	Professor Croissant
S39	Short Story Writing	3	Mr. Moneyway
S2b	French—2d semester	3	Mr. Protzman
S25b	English History	3	Professor Churchill
S1	Cataloguing	3	Professor Schmidt
S4b	Plane Trigonometry	2	Professor Hodgkins
S9a	Spherical Trigonometry	3	Professor Erwin
S2a	General Psychology	3	Professor Moss
S1b	General Physics	3	Professor Cheney
S3b	Introductory Physics	3	Professor Brown
S29	International Law	3	Professor Hill
S7	Conversational Spanish	3	Mr. Vasquez
S2a	First-Year Spanish	3	Professor Jones
	6:00-7:40		
S2	Geology	4	Professor Resser
	6:50-7:40		
S36b	English Novel	3	Professor Bolwell
S4a	Second-Year French	3	Mr. Protzman
SXX	Library Science	3	Professor Schmidt

S4	Logic	3	Mr. Hankin
S22	Ethics	3	Professor Richardson
7:00-10:00			
S2	Laboratory Chemistry	4	Professor Swett
S3	Inorganic Chemistry	4	Professor Swett
S7	Qualitative Analysis	4	Professor Swett
S2a	Laboratory Physics	2	Professor Cheney
S2b	Laboratory Physics	2	Professor Cheney
7:40-8:30			
S51	Sociology	3	Professor Kern

COURSES OF INSTRUCTION

The letter S, meaning Summer, is prefixed to the numbers of courses to distinguish them from the courses offered during the regular session of the University. Courses corresponding approximately to those offered during the regular session are given corresponding numbers. Courses not so corresponding are assigned Roman numerals. The letters a and b following some of the numbers signify correspondence respectively to first and to second semester work of the regular session.

ASTRONOMY

S 1. *Popular Astronomy*.—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. The chief constellations, conspicuous stars, and visible planets will be located. Recitations, lectures, and papers on special topics assigned to each student. At 7:45 A. M. Three semester-hour credits. Professor ERWIN.

BOTANY

S 3. *Field Botany*.—First-hand study of local flora designed to familiarize the student with the native plants and with methods of identification. A field trip Saturday is followed by a laboratory period Monday afternoon. This course, together with courses 1 and 2 given in the regular session, make up a rounded survey of planet life. The class will be organized June 16, at 9 A. M. Three semester-hour credits. Professor GRIGGS.

CHEMISTRY

S 1. *General Chemistry*.—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. 5 : 10-6 : 50. Six semester-hour credits. Professor SWETT.

S 2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiments. 7-10. Four semester-hour credits. Professor SWETT and assistants.

(NOTE.—Courses S 1 and S 2 should be taken together. Courses S 20, *Qualitative Analysis*, six semester-hour credits, S 21, *Quantitative Analysis*,

eight semester-hour credits, S 23, *Organic Chemistry*, four semester-hour credits, and S 26, *Physical Chemistry*, four semester-hour credits, will be given if demanded.)

S 3. *Synthetic Inorganic Chemistry*.—Syntheses of inorganic compounds. 7-10. Four semester-hour credits. Professor SWEET and assistants.

S 7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. 7-10. Four semester-hour credits. Professor SWETT and assistants.

S 8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Sixty-four lectures and 96 hours of laboratory work. Lectures Monday, Tuesday, Wednesday and Thursday 5 : 10-6 : 50. Laboratory hours to be arranged. Six semester-hour credits. Professor McNEIL.

CIVIL ENGINEERING

S 5. *Surveying Instruments*.—A course covering the use of the compass, transit, and level. Lectures and field exercises. At 6:00. One semester-hour credit. Professor FRENCH (June 3-23).

S 6. *Foundations*.—A course covering the general principles of foundation construction and the materials used. At 5:10. One semester-hour credit. Professor LAPHAM. (June 3-23).

COMMERCE

S 33a. *Commercial Law*.—Contracts. At 5:10. Two semester-hour credits. Professor ALDEN.

S 33b. *Commercial Law*.—Commercial Papers. At 6. Two semester-hour credits. Professor ALDEN.

S 40. *Industrial and Commercial History of the United States*.—A survey of the industrial and commercial development of the United States accompanied by an analysis of the various factors (tariff, transportation, banking, labor, and combination) which determined this development.

Prerequisite.—General Economics. At 5:10. Three semester-hour credits. Assistant Professor SUTTON.

ECONOMICS AND SOCIOLOGY

S 1a. *General Economics*.—An introduction to the fundamental concepts of economics. Attention is directed to the production and consumption of wealth, value, and price, and the organization of business enterprise. At 11:15. Two semester-hour credits. Assistant Professor SUTTON.

S 2a. *General Economics*.—This course deals with the problems of the distribution of wealth and such questions as value, prices, wages, rent, and interest. At 5:10. Three semester-hour credits. Professor KERN.

S 2b. *General Economics* (second semester).—This course deals with the organization of the industrial system and embraces an analysis of marketing, efficient methods of production, and money and banking. A discus-

sion of such modern programs as the trust movement, government ownership, and the like is included. At 6. Three semester-hour credits. Professor KERN.

(Courses S 2a and S 2b may be taken concurrently.)

S XXXV. *International Finance*.—A course in the basic principles of international credit and exchange, with particular reference to these conditions created by the World War and the subsequent financial policies of European nations. The following topics suggest the scope of the course:—structure of international credit; equilibrium of exchange; gold movements; investments; limits of national credit; monetary and credit standards; causes and results of depreciated currencies; international adjustment of the price level; the problem of reestablishing international basis of credit and exchange.

Prerequisite. General Economics. At 6. Three semester-hour credits. Assistant Professor SUTTON.

S 51. *Seminar in Sociology*.—A research course, open to students who have had an introductory course in sociology. At 7:40. Three semester-hour credits. Professor KERN.

EDUCATION

S I. *Educational Psychology*.—Same as Psychology S 1. At 10:15. Two semester-hour credits. Professor RUEDIGER.

S III. *Junior High School Geography*.—Same as Geology S 3. At 5:10. Two semester-hour credits. Dr. RESSER. (June 18–July 28.)

S 18a. *Junior High School History*.—A survey of American, Ancient and Mediaeval History as Junior High School subjects, with attention to courses of study, textbooks, and presentation of subject-matter. This course includes a rapid review of Ancient and Mediaeval History. At 9:15. Two semester-hour credits. Assistant Professor KAYSER.

S 18b. *Junior High School English*.—The teaching of English in the seventh, eighth and ninth grades. Course of study, textbooks, methods of teaching; literature for early adolescence. Selections of various types will be read to the extent that time permits. At 11:15. Two semester-hour credits. Mr. SULLIVAN.

S 21b. *Principles of Teaching*.—A systematic course in the principles underlying the teaching process: Types of subject-matter; classroom procedure; the art of study; supplementing the text; vitalizing instruction. At 9:15. Two semester-hour credits. Professor RUEDIGER.

S 22. *History of Education*.—A survey of educational theory and practice since ancient times. The subject is studied from a cultural, as well as a professional, point of view. At 5:10. Three semester-hour credits. Assistant Professor KAYSER.

S 25. *The Junior High School*.—A study of the development of the Junior High School, with special reference to the curriculum and methods of instruction. At 10:15. Two semester-hour credits. Mr. SULLIVAN.

S 27. *School Administration*.—The public school system; its development; problems of organization; the teaching staff; courses of study; school finances; economic and political relations. At 7:45 A. M. Three semester-hour credits. Mr. SULLIVAN.

S 31. *Educational Measurements*.—A study of educational tests and scales with practice in their use. Some attention will be given to intelligence tests and their use in the classification of children. At 11:15. Two semester-hour credits. Assistant Professor MOSS.

ENGLISH

S 2a. *English Rhetoric*.—The course covers the text of the regular course for the first semester, including practice in composition. Lectures and conferences. At 7:45 a. m. Three semester-hour credits. Professor WILBUR and Mr. MONEYWAY (June 25 Aug. 4).

S 6a. *Survey of English Literature*.—A study of English literature from the epic period to the end of the eighteenth century. At 5:10. Three semester-hour credits. Assistant Professor BOLWELL.

S 6b. *Survey of English Literature*.—A course in the literature of the nineteenth century. At 6. Three semester-hour credits. Assistant Professor BOLWELL.

S XX. *Literature of the Bible*.—A study of portions of the Bible from a literary point of view. At 5:10. Three semester-hour credits. Professor CROISSANT.

S 23. *Shakespeare*.—Selected plays. A cycle of cultural studies. At 9:15. Two semester-hour credits. Professor WILBUR.

S 25. *Modern Drama*.—The chief dramatists between 1890 and 1914. Lectures, with reading and discussion of representative plays. At 6. Three semester-hour credits. Professor CROISSANT.

S 29a. *American Literature to 1815*.—Lectures, with reading and discussion of typical selections. At 4:10. Three semester-hour credits. Professor CROISSANT.

S 36b. *Development of the English Novel*.—From the Victorian age to contemporary American and English novelists. At 6:50. Three semester-hour credits. Assistant Professor BOLWELL.

S 39. *Technique of the Short Story*.—A practical course in short-story writing. Lectures, reading, and conferences. At 6. Three semester-hour credits. Mr. MONEYWAY.

S XLI. *The Romantic Poets*.—At 10:15. Two semester-hour credits. Professor WILBUR.

FRENCH

S 2a. *First-Year Course*.—Essentials of French grammar; drill in pronunciation; oral and written composition; translation of modern French prose. For beginners. Fraser and Squair's French Grammar (Heath). At 5:10. Three semester-hour credits. Mr. PROTZMAN.

S 2b. *First-Year Course*.—(Second Semester.)—Open to students who have had one year of high school French or one semester of college French. At 6. Three semester-hour credits. Mr. PROTZMAN.

S 4a. *Second-Year Course*.—Review of French Grammar. Fraser and Squair's French Grammar (Heath); oral and written composition; translation of modern French prose. Open to students who have received credit for one year of college French, or its equivalent. At 6:50. Three semester-hour credits. Mr. PROTZMAN.

S 7. *Conversation and Composition*.—Open to students who have had one year of college French or its equivalent. At 5:10. Three semester-hour credits. Mr. BENETEAU. (June 18–Aug. 18.)

GEOLOGY

S 2. *Geology*.—Systematic geology; dynamical, structural and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's *Geology*. 6–7:40. Four semester-hour credits. Dr. RESSER.

S 3. *Principles of Geography*.—The course considers the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It includes a study of the general geographical principles, including those of physiography and climate, and their application. Especially adapted to teachers in the upper grades and junior high school. At 5:10. Two semester-hour credits. Dr. RESSER.

GERMAN

S IV. *Conversation and Rapid Reading*.—This course is open to students who have had one year of college German or its equivalent. Three semester-hour credits. At 5:10. Professor SCHMIDT.

HISTORY

S 9a. *American History*.—History of the United States through the Jacksonian period. At 5:10. Three semester-hour credits. Professor CHURCHILL.

S 25b. *English History*.—The history of England from the Reformation to the Reform Bills with special attention to political and constitutional development. At 6. Three semester-hour credits. Professor CHURCHILL.

S 35b. *The Renaissance*.—A study of the beginnings of the Modern Period with emphasis on evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. At 7:45 a. m. Three semester-hour credits. Assistant Professor KAYSER.

HOME ECONOMICS

S I. *Food and Nutrition*.—A study of the food factors, the principles of cookery, the cost and nutritional value of foods, and menu planning. Adapted to the needs of physicians and medical students. At 11:15. Two semester-hour credits. Miss EVANS.

S 3. *Domestic Science*.—An advanced laboratory course in experimental and demonstration cookery. For advanced students and teachers of domestic science. 10:15–12:15. Two semester-hour credits. Miss EVANS.

S 14. *Textiles and Sewing*.—A brief study of fibers and fabrics, the use and care of a sewing machine, various stitches and seams, the use of commercial patterns, and elementary design. At 9:15. Two semester-hour credits. Miss EVANS.

LIBRARY SCIENCE

S I. *Cataloguing*.—This course is designed to cover the general principles of library science with special emphasis on the elements of cataloguing. Three semester-hour credits. At 6. Professor SCHMIDT.

S XX. *Classification*.—This course is open to students who have had course S I or practical library work. Three semester-hour credits. At 6:50. Professor SCHMIDT.

MATHEMATICS

S 4a. *College Algebra*.—Bowser's College Algebra. Ratio and proportion. Chapter XVI to the end of the book. At 5:10. Three semester-hour credits. Assistant Professor HODGKINS.

S 4b. *Plane Trigonometry*.—Crocket's Trigonometry. All of plane trigonometry. At 6. Two semester-hour credits. Assistant Professor HODGKINS.

S 9a. *Plane and Spherical Trigonometry*.—This course is offered primarily for students who have had Plane Trigonometry. Three semester-hour credits. At 6. Professor ERWIN.

S 9b. *Analytic Geometry*.—This course is offered to students who have had Plane and Spherical Trigonometry. Three semester-hour credits. At 5:10. Professor ERWIN.

NATURE STUDY

(See Botany and Zoology)

PHILOSOPHY AND PSYCHOLOGY

S 1. *Psychology*.—After a brief review of the chief subdivisions of general psychology, this course will be devoted to a study of individual differences and the processes of learning. At 10:15. Two semester-hour credits. Professor RUEDIGER.

S 2. *General Psychology*.—A study of the principal facts and laws of human behavior. At 6. Three semester-hour credits. Assistant Professor MOSS.

S 3. *Logic*.—A brief course in the fundamental concepts of logic. At 11:15. Two semester-hour credits. Mr. HANKIN.

S 4. *Logic*.—A study of the fundamental concepts of logic; induction and deduction; hypotheses; logical analysis. At 6:50. Three semester-hour credits. Mr. HANKIN.

S 22. *Ethics*.—A consideration of the principal ethical theories from the historical and social points of view. At 6:50. Three semester-hour credits. Professor RICHARDSON.

S 25. *Applied Psychology*.—A study of the application of psychology in business, industry, law, medicine, and education. Prerequisite. General psychology. At 5:10. Three semester-hour credits. Assistant Professor MOSS.

S XXVI. *Introduction to Philosophy*.—This course is intended to give a general survey of the subject for beginners. At 7:45 a. m. Two semester-hour credits. Professor RICHARDSON.

S 27. *Contemporary Philosophy*.—(To be given from August 6 to September 14, following course S XXVI.) At 7:45 a. m. Two semester-hour credits. Professor RICHARDSON.

PHYSICS

Physics S 1. *General Physics*.—This course is required of all Engineering students, and may be elected by other students who have had High School Physics and Mathematics through Analytical Geometry.

S 1a. At 5:10. Three semester-hour credits. S 1b. At 6. Three semester-hour credits. Assistant Professor CHENEY.

S 2a and S 2b. *Laboratory Physics*.—The schedules of experiments are arranged to parallel the lecture courses, but different schedules may be arranged in special cases. Two semester-hour credits for either course. 7-10. Assistant Professor CHENEY.

S 3a. *Introductory General Physics*.—Mechanics, Heat, and Electrostatics. At 5:10. Three semester-hour credits. Professor BROWN.

S 3b. *Introductory General Physics*.—Magnetism and Electricity, Sound, and Light. At 6. Three semester-hour credits. Professor BROWN.

POLITICAL SCIENCE

S 1. *Government of the United States*.—The nature and structure of the federal government; comparison with foreign systems; the functions of the departments and commissions; the duties and privileges of citizenship. At 9:15. Two semester-hour credits. Dr. WEST.

S 2. *Government of the United States*.—This course includes a study of the origin of our government, the powers of Congress, the powers of the President and of the various executive officers and commissions, the system of courts and their jurisdiction, the bill of rights, and the last nine amendments to the constitution. Such topics as citizenship, immigration, the

tariff, political parties, our banking system and means of international understanding and of national defense will be discussed. At 4:10. Three semester-hour credits. Professor HILL.

S 28. *Leading American Treaties*.—Who made the treaties, why they were made, what their provisions were, and what the effect of the treaties has been upon our national policy and upon our relations with other countries form the bases for this course. Current events of international significance will receive comment. At 5:10. Three semester-hour credits. Professor HILL.

S 29. *International Law*.—How public international law has developed, an outline of what it is, and assignments of cases showing what sort of questions have been settled are topics that indicate the scope of this course. At 6. Three semester-hour credits. Professor HILL.

S 36. *Governments and Politics of Latin America*.—The colonial systems; the establishment of the republics; the development of their governments; Pan-Americanism; the World War. Special attention is paid to relations with the United States. At 10:15. Two semester-hour credits. Dr. WEST.

SPANISH

S 2a. *First-Year Course*.—Elements of Spanish Grammar; drill in pronunciation; oral and written composition; translation of modern Spanish prose. Hill's and Ford's First Spanish Course (Heath). At 6. Three semester-hour credits. Assistant Professor JONES.

S 2b. *First-Year Course*.—(Second Semester).—Open to students who have had one year of high school Spanish or one semester of college Spanish. At 5:10. Three semester-hour credits. Assistant Professor JONES.

S 7. *Conversation and Composition*.—Open to students who have had one year of college Spanish or its equivalent. At 6:00. Three semester-hour credits. Mr. VASQUEZ. (June 18–Aug. 18.)

ZOOLOGY

S X. *Nature Study*.—An out-of-doors nature study course, concerned with observing, gathering, and studying the animal life, large and small, found about Washington. Field trips, laboratory work, lectures, and reading. 8–10. Three semester-hour credits. Professor BARTSCH and Miss CHAPMAN. (June 25–Aug. 4.)

THE MEDICAL SCHOOL

FACULTY

The names are arranged in the several groups in the order of assignment.

PRESIDENT OF THE UNIVERSITY

HOWARD LINCOLN HODGKINS, A. B., A. M., Ph. D., Sc. D.

DEAN OF THE MEDICAL SCHOOL

WILLIAM CLINE BORDEN, M. D.

Professor of Surgery

Lieutenant-Colonel, Medical Corps, United States Army, Retired; *Surgeon-in-Chief to The George Washington University Hospital and Dispensary.*

2306 Tracy Place

PROFESSORS EMERITI

D. KERFOOT SHUTE, A. M., M. D.

Clinical Professor of Ophthalmology, Emeritus

HENRY CRECY YARROW, M. D.

Professor of Dermatology, Emeritus

WILLIAM K. BUTLER, A. M., M. D.

Professor of Ophthalmology, Emeritus

PROFESSORS

GEORGE NICHOLAS ACKER, A. M., M. D.

Professor of Pediatrics

Physician to the Children's Hospital; Consulting Physician to the Episcopal Eye, Ear and Throat Hospital and to the Lutheran Infirmary. *Pediatrician-in-Chief to The George Washington University Hospital and Dispensary.*

913 16th Street

STERLING RUFFIN, M. D.

Professor of Medicine

Visiting Physician to the Columbia Hospital for Women; Consulting Physician to the Government Hospital for the Insane; *Physician-in-Chief to The George Washington University Hospital and Dispensary.*

The Connecticut

CHARLES WILLIAMSON RICHARDSON, M. D., Sc. D.

Professor of Laryngology, Rhinology and Otology

Laryngologist to Children's Hospital; to the Episcopal Eye, Ear and Throat Hospital, and to the Washington Hospital for Foundlings; *Laryngologist-in-Chief to The George Washington University Hospital and Dispensary.*

1317 Connecticut Avenue

JOHN WESLEY BOVEÉ, M. D.

Professor of Gynecology

Gynecologist to the Columbia Hospital for Women; Gynecological Surgeon, Government Hospital for the Insane; *Gynecologist-in-Chief to The George Washington University Hospital and Dispensary.*

The Rochambeau

RANDOLPH BRYAN CARMICHAEL, M. D.

Professor of Dermatology

Dermatologist to the Garfield Memorial Hospital; the Providence Hospital; the Washington Hospital for Foundlings; the Central Dispensary and Emergency Hospital; Washington City Orphan Asylum; Government Hospital for Insane; Bureau Home, etc.; Dermatologist to The George Washington University Hospital and Dispensary.

818 17th Street

FRANCIS RANDALL HAGNER, M. D.

Professor of Genito-Urinary Surgery and Venereal Diseases

Genito-Urinary Surgeon to the Garfield Memorial Hospital; Chief of the Genito-Urinary Clinic, The George Washington University Hospital and Dispensary.

The Farragut

WILLIAM ALANSON WHITE, M. D.

Professor of Psychiatry and Clinical Professor of Neurology

Superintendent of St. Elizabeth's Hospital, District of Columbia; Lecturer on Psychiatry, U. S. Army Medical School and U. S. Navy Medical School.

St. Elizabeth's Hospital

OSCAR BENWOOD HUNTER, A. B., A. M., M. D.

Assistant Dean and Professor of Bacteriology and Pathology

Consulting Pathologist to the Casualty Hospital; Pathologist to The George Washington University Hospital and Dispensary.

31 East Oxford Street, Chevy Chase

BUCKNER MAGILL RANDOLPH, M. D.

Professor of Materia Medica and Therapeutics

Associate Physician to The George Washington University Hospital.

2010 R Street N. W

CHARLES S. BUTLER, B. A., M. D.

Commander, Medical Corps, U. S. Navy

Professor of Tropical Medicine

Commanding Naval Medical School

HURON WILLIS LAWSON, S. M., M. D.

Professor of Obstetrics

Obstetrician, Columbia Hospital for Women; Gynecologist, Freedmen's Hospital; Obstetrician-in-Chief, The George Washington University Hospital and Dispensary.

1706 Rhode Island Avenue

FRANK ADELBERT HORNADAY, S. B., M. S., M. D.

Professor of Dietetics, Associate in Medicine, and Supervisor of Medical Clinics

Assistant Attending Physician, Children's Hospital; Attending Physician Child's Welfare Society; Attending Physician, The George Washington University Dispensary.

3509 14th Street

THOMAS CHARLES MARTIN, Ph. D., M. D.

Professor of Proctology

The Rochambeau

HARRY S. BERNTON, A. B., M. D.

Professor of Medical Jurisprudence

Director of Clinic, Woman's Welfare, District of Columbia.; Special Expert, U. S. Public Health Service.

1333 G Street

WILLIAM THORNWALL DAVIS, M. D.

Professor of Ophthalmology

Associate Ophthalmologist, The Episcopal Eye, Ear and Throat Hospital; Garfield Memorial Hospital; Columbia Hospital for Women.

927 Farragut Square

CUSTIS LEE HALL, M. D.

Professor of Orthopedic Surgery

Orthopedic Surgeon to the Children's Hospital; Associate Orthopedic Surgeon to Providence Hospital and to Emergency Hospital; *Orthopedic Surgeon to The George Washington University Hospital and Dispensary.*

2901 16th Street

NOLAN DON CHARPENTIER LEWIS, M. D.

Professor of Experimental Pathology

Director of Clinical Psychiatry, St. Elizabeth's Hospital; Lecturer, Neuro-Pathology, Naval Medical School.

St. Elizabeth's Hospital

ARTHUR C. CHRISTIE, M. S., M. D.

Professor of Roentgenology

Roentgenologist-in-Chief, The George Washington University Hospital and Dispensary.

1621 Connecticut Avenue

GEORGE BAIN JENKINS, M. D.

Professor of Anatomy

1639 W Street S. E.

GLENN I. JONES, M. D.

Professor of Military Science and Tactics

Major, Medical Corps, U. S. Army. In charge Medical Corps Unit, Reserve Officers' Training Corps.

EUGENE RUDOLPH WHITMORE, B. S., M. D., Dr. P. H.

Professor of Bacteriology and Preventive Medicine

2139 Wyoming Avenue

EUGENE G. NORTINGTON, M. D.

Professor of Pharmacology

Professor of Pharmacology and Hygiene; Major, Medical Corps, U. S. Army Retired.

2400 Sixteenth Street

HENRY WALPER KEARNEY, M. D.

Professor of Anaesthesia

Anaesthetist to Garfield Memorial Hospital; *Anaesthetist-in-Chief to The George Washington University Hospital.*

1229 O Street N. W.

TOMÁS CAJIGAS, B. S., M. D.

Professor of Pathology

Director, Clinical Laboratory, The George Washington University Hospital and Dispensary.

1834 16th Street

EARL C. FOLLETT, M. D.

Professor of Physiology and Pharmacology

826 Kennedy Street

JOSEPH HYRAM ROE, A. B., A. M., Ph. D.

Professor of Chemistry

1906 N Street

WILLIAM L. KELLER, M. D.

Professor of Military Surgery

Lieutenant Colonel, Medical Corps, U. S. Army.

Walter Reed, Army General Hospital

LLOYD LLEWELLYN SMITH, M. D.

Professor of General and Military Medicine

Lieutenant Colonel Medical Corps, U. S. Army; Walter Reed, Army General Hospital.

ASSOCIATE PROFESSORS

CHARLES STANLEY WHITE, M. D.

Associate Professor of Surgery

Visiting Surgeon, Providence Hospital; Consulting Surgeon, St. Elizabeth's Hospital; Consulting Surgeon, Episcopal Eye, Ear and Throat Hospital; *Associate Surgeon, The George Washington University Hospital.*

911 16th Street

DANIEL LERAY BORDEN, S. B., A. M., M. D.

Associate Professor of Surgery

Associate Surgeon Emergency Hospital; Attending Surgeon Children's Hospital; Surgeon to the Police and Fire Departments, D. C.; *Associate Surgeon, The George Washington University Hospital.*

The Rochambeau

THOMAS A. GROOVER, M. D.

Associate Professor of Roentgenology

Roentgenologist to the Emergency Hospital; *Associate Roentgenologist to The George Washington University Hospital and Dispensary.*

1621 Connecticut Avenue

JOSEPH DUERSON STOUT, A. B., M. A., M. D., Ph. D.

Associate Professor of Neurology and Psychiatry

901 16th Street

JAMES H. DEFENDORF, A. B., M. A.

Associate Professor of Physiology and Pharmacology

Garet Park, Md.

OLIVER J. IRISH, A. B.

Associate Professor of Chemistry and Proctor of Examinations

326 Taylor St. N. W.

CLINICAL PROFESSORS

AURELIUS RIVES SHANDS, M. D.

Clinical Professor of Orthopedic Surgery

Attending Surgeon to the Central Dispensary and Emergency Hospital; Consulting Surgeon to the Home for Incurables.

901 16th Street

THOMAS ASH CLAYTOR, M. D.

Clinical Professor of Medicine

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1826 R Street

ALBERT LIVINGSTON STAVELY, M. D.

Clinical Professor of Gynecology

Gynecologist to the Garfield Memorial Hospital.

1744 M Street

LUTHER HALSEY REICHELDERFER, M. D.

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1721 Connecticut Avenue

GIDEON BROWN MILLER, B. Sc., C. E., M. D.

Clinical Professor of Gynecology

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1730 K Street

WILLIAM SINCLAIR BOWEN, M. D.

Clinical Professor of Obstetrics

Attending Obstetrician to Columbia Hospital for Women, and Garfield Memorial Hospital.

The Farragut

OSCAR ADDISON MACK McKIMMIE, M. D.

Clinical Professor of Laryngology and Otology

Surgeon to the Episcopal Eye, Ear and Throat Hospital.

The Valois

FRANK LEECH, M. D.

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1359 Columbia Road

HARRY HYLAND KERR, M. D., C. M.

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Attending Surgeon to the Children's Hospital; Garfield Memorial Hospital, and Consulting Brain Surgeon to the Providence Hospital.

1742 N Street

JAMES F. MITCHELL, A. B., M. D.

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Chief, Surgical Service, Emergency Hospital; Consulting Surgeon, Providence Hospital.

1344 19th Street

THOMAS MADDEN FOLEY, M. D.

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901 16th Street

J. LAWN THOMPSON, M. D.

Clinical Professor of Medicine

Physician to Providence Hospital.

1735 20th Street

HARRY HAMPTON DONNALLY, A. M., M. D.

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1612 I Street

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2109 O Street

EDGAR PASQUAL COPELAND, M. D.

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Pediatrist to the Columbia Hospital and Freedmen's Hospital; *Associate in Pediatrics*
to The George Washington University Hospital and Dispensary.

The Rockingham

WILLIAM DAVIS TEWKSBURY, M. D.

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Physician in Charge, Tuberculosis Hospital.

Medical Science Building

ASSOCIATES

COURSEN BAXTER CONKLIN, B. S., M. D.

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Associate Physician to The George Washington University Hospital.

The Medical Science Building

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1720 Connecticut Avenue

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1821 Connecticut Avenue

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1420 Rhode Island Avenue

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The Alabama

ELIJAH WHITE TITUS, M. D.

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The Rochambeau

GEORGE NICHOLAS ACKER, 2D, B. S., M. D.

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The George Washington University Dispensary.

2015 Q Street

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for Women.

Stoneleigh Court

MARY O'MALLEY, M. D.

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Clinical Director, St. Elizabeth's Hospital; Consulting Psychiatrist and Neurologist, Woman's Dispensary; Consulting Psychiatrist, Gallinger Memorial Hospital; Lecturer on Psychiatry, Post Graduate School of Neurology and Psychiatry.

St. Elizabeth's Hospital

WILLIAM BERRY MARBURY, M. D.

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1015 16th Street

CLINICAL ASSOCIATES

THOMAS LINVILLE, M. D.

Clinical Associate in Medicine

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2517 14th Street

ROSCOE W. HALL, Ph. B., M. D.

Clinical Associate in Psychiatry

Senior Assistant Physician, St. Elizabeth's Hospital.

St. Elizabeth's Hospital

CYRUS WHITNEY CULVER, M. D., C. M.

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1425 Columbia Road

EVERETT MONROE ELLISON, A. B., A. M., M. D.

Clinical Associate or in Medicine

Assistant Attending Physician, Children's Hospital, Gallinger Hospital; Attending Physician, Child Welfare Society; Attending Physician, The George Washington University Dispensary.

1720 M Street

ADAM KEMBLE, Ph. D., M. D.

Clinical Associate in Genito-Urinary Surgery

Attending Surgeon, Genito-Urinary Service, The George Washington University Dispensary

The Cecil

DANIEL C. MAIN, M. D.

Clinical Associate in Psychiatry

Clinical Director, St. Elizabeth's Hospital.

St. Elizabeth's Hospital

EDWARD M. PARKER, M. D.

Clinical Associate in Surgery

1726 M Street N. W.

EDMOND J. HORGAN, M. D.

Clinical Associate in Surgery

Surgeon to St. Elizabeth's Hospital; Associate Surgeon to Providence, Children's and Casualty Hospitals.

Stoneleigh Court

WILLIAM H. JENKINS, M. D.

Clinical Associate in Laryngology and Otology

Junior Assistant Surgeon, Episcopal Hospital; Associate Attending Surgeon in Otolaryngology, Emergency Hospital; Assistant Attending Physician, Children's Hospital.

1738 M Street N. W.

WATSON WILLIAM ELDRIDGE, M. D.

Clinical Associate in Medicine

Internist to St. Elizabeth's Hospital.

St. Elizabeth's Hospital

HENRY R. SCHRIEBER, M. D.

Clinical Associate in Medicine

Associate Attending Physician, Providence Hospital.

500 H Street N. E.

INSTRUCTORS

EDWARD GRANT SEIBERT, Ph. G., M. D.

Clinical Instructor in Laryngology and Ophthalmology

Assistant Attending Physician, Episcopal Eye, Ear and Throat Dispensary; *Associate in Laryngology to The George Washington University Hospital; Laryngologist to The George Washington University Dispensary.*

1545 Eye Street

ALBERT PERKINS TIBBETS, A. B., M. D.

Clinical Instructor in Ophthalmology and Oto-Laryngology

Assistant Ophthalmologist, Laryngologist and Otologist, The George Washington University Dispensary.

Medical Science Building

HARRY SAMUEL LEWIS, M. D.

Clinical Instructor in Surgery

Chief Surgeon, Hebrew Hospital; *Associate in Surgery, Central Dispensary and Emergency Hospital.*

2839 Connecticut Avenue

VIRGIL B. JACKSON, M. D.

Clinical Instructor in Gynecology

Associate Gynecologist to the Central Dispensary and Emergency Hospital.

The Kedrick

HOMER GIFFORD FULLER, M. D.

Clinical Instructor in Genito-Urinary Surgery

Assistant, Genito-Urinary Service, The George Washington University Hospital and Dispensary.

1884 Columbia Road

SAMUEL HARRISON GREENE, M. D.

Clinical Instructor in Laryngology and Otology

Associate Laryngologist, Episcopal Eye, Ear and Throat Hospital.

1460 Rhode Island Avenue

CARROLL EDWARD BINGMAN, M. D.

Instructor in Medicine

1020 16th Street

SAMUEL BOYCE POLE, M. D.

Clinical Instructor in Laryngology and Otology

Medical Science Building

WILLIAM BINFORD KING, A. B.

Instructor in Anatomy

Virginia Highlands, Va.

CHARLES O. KNOTT, M. D.

Clinical Instructor, Genito-Urinary Diseases

Attending Genito-Urinary Surgeon, The George Washington University Dispensary.

1006 I Street S. E.

EARL GRIFFITH BREEDING, A. B., M. S., M. D.

Clinical Instructor in Laryngology and Otology

Assistant Laryngologist and Otologist, Episcopal Eye, Ear and Throat Hospital; Attending Laryngologist and Otologist, The George Washington University Dispensary.

Stoneleigh Court

HERBERT HERMAN SCHOENFELD, M. D.

Clinical Instructor in Surgery

Assistant Attending Surgeon, Garfield Hospital and Children's Hospital.

Wardman Park Hotel

ROBERT S. BEALE, M. D.

Clinical Instructor in Medicine

Attending Physician, Contagious Ward, Garfield Memorial Hospital.

1318 19th Street

AUGUSTUS CLAGETT GRAY, M. D.

Instructor in Surgery

1242 Newton Street, N. E.

LYLE MILLAN MASON, M. D.

Clinical Instructor in Surgery

Attending G. U. Surgeon, The George Washington University Dispensary.

815 Connecticut Avenue

PAUL STERLING PUTZKI, M. D.

Instructor in Surgery

Associate Surgeon, Providence Hospital; Attending Surgeon, Casualty Hospital; Attending Surgeon, Woman's Evening Clinic.

911 16th Street

FREDERICK C. SCHREIBER, M. D.

Instructor in Laryngology and Otology

Assistant Laryngologist to the Episcopal Eye, Ear and Throat Hospital.

The Montana

JACOB KOTZ, M. D.

Clinical Instructor in Surgery

Attending Gynecologist, Emergency Hospital Dispensary; Attending Surgeon, The George Washington University Dispensary.

Medical Science Building

HARRY A. ONG, M. D.

Clinical Instructor in Pediatrics

Director, Children's Hospital Dispensary.

1768 Columbia Road

RALPH S. PENDEXTER, M. D.

Clinical Instructor in Ophthalmology

The Champlain Apts.

HARRY PRICE, M. D.

Clinical Instructor in Genito-Urinary Surgery

Attending G. U. Surgeon, The George Washington University Hospital.

1746 K Street

JESSE T. MANN, M. D.
Clinical Instructor in Medicine
Attending Physician, University Dispensary.

1746 K Street

FRED Y. WILLIAMSON, M. D.
Clinical Instructor in Surgery
Attending Surgeon, University Dispensary.

The Rochambeau

F. AUGUST REUTER, M. D.
Clinical Instructor in Medicine
Visiting Neurologist St. Elizabeth's Hospital.

St. Elizabeth's Hospital

EUGENE A. TAYLOR, M. D.
Clinical Instructor in Laryngology
Attending Surgeon, Episcopal Eye, Ear and Throat Hospital.
1029 Vermont Avenue

JAMES A. CAHILL, JR., M. D.
Clinical Instructor in Surgery
Surgeon, Providence Hospital; Assistant in Surgery, Georgetown University Hospital.
2607 Connecticut Avenue

NATHAN NORMAN SMILER, M. D.
Clinical Instructor in Surgery
Member, Dispensary Staff, Emergency Hospital; Associate in Surgery, Casualty Hospital;
Attending Surgeon, George Washington University Dispensary.
1103 P Street

MAURICE A. SELINGER, M. D.
Clinical Instructor in Medicine
Assistant Attending Physician, Children's Hospital; Associate Attending Physician, Garfield
Memorial Hospital.
Florence Courts

BOYCE RICHARDSON BOLTON, M. D.
Clinical Instructor in Laryngology and Otology
Assistant Surgeon, Episcopal Eye, Ear and Throat Hospital; Assistant Attending
Laryngologist, Children's Hospital; Assistant Attending Laryngologist, George Wash-
ington University Dispensary.

WILLIAM H. TALBOTT, M. D.
Instructor in Physical Diagnosis

1125 Buchanan Street

BENJAMIN F. WEEMS, B. S., M. D.
Instructor in Physical Diagnosis

1621 Q Street

WILLIAM B. SIMS, M. D.
Clinical Instructor in Medicine
Attending Physician, George Washington University Dispensary.
The Connecticut Apts.

HELEN I. PFAFF, R. N., B. S.
Instructor in Bacteriology

1301 K Street, N. W.

JAMES H. HAWFIELD, M. D.

Clinical Instructor in Medicine

Attending Physician, George Washington University Dispensary.

The Rochambeau

PRESTON ALEXANDER McLENDON, M. D.

Instructor in Pediatrics

1743 P Street, N. W.

JAMES MINOR, B. S., M. D.

Clinical Instructor in Medicine

Attending Physician, George Washington University Dispensary.

1742 M Street, N. W.

DANIEL S. HATFIELD, B. S., M. D.

Clinical Instructor in Medicine

Attending Physician, George Washington University Dispensary.

1720 M Street, N. W.

JOHN M. LADD, M. D.

Clinical Instructor in Neurology

Attending Neurologist, George Washington University Dispensary.

1730 Connecticut Avenue

CHARLES B. CAMPBELL, M. D.

Clinical Instructor in Dermatology

Attending Dermatologist, George Washington University Dispensary.

S. E. Cor. 17th Park Road

RICHARD L. SILVESTER, B. S., M. S., M. D.

Clinical Instructor in Gynecology and Attending Gynecologist

Clinical Instructor in Gynecology and Attending Gynecologist, University Dispensary.

Farragut Apts.

COLIN R. WEIRICH, M. D.

Clinical Instructor in Medicine

Attending Physician, George Washington University Dispensary.

1400 Decatur Street, N. W.

FRANCIS G. SPEIDEL, M. D.

Instructor in Anaesthesia

Associate Anaesthetist to the University Hospital.

The Rochambeau Apts.

F. DENETTE ADAMS, Litt. B., M. D.

Clinical Instructor in Medicine

Attending Physician, University Dispensary.

1801 Connecticut Avenue

RAYMOND K. FOXWELL, M. D.

Clinical Instructor in Neurology

Attending Neurologist, George Washington University Dispensary.

Medical Science Building

CARROL E. FOLEY, M. D.

Clinical Instructor in Ophthalmology

Attending Ophthalmologist, George Washington University Dispensary.

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

Hospital

STERLING RUFFIN, M. D.	Physician-in-Chief
BUCKNER MAGILL RANDOLPH, M. D.	Associate Physician
COURSEN BAXTER CONKLIN, M. D.	Associate Physician
THOMAS LINVILLE, M. D.	Associate Physician
WILLIAM CLINE BORDEN, M. D.	Surgeon-in-Chief
CHARLES STANLEY WHITE, M. D.	Associate Surgeon
DANIEL LERAY BORDEN, M. D.	Associate Surgeon
JOHN WESLEY BOVEÉ, M. D.	Gynecologist-in-Chief
HURON WILLIS LAWSON, M. D.	Obstetrician-in-Chief
GEORGE NICHOLAS ACKER, M. D.	Pediatrician
EDGAR PASQUAL COPELAND, M. D.	Associate Pediatrician
CUSTIS LEE HALL, M. D.	Orthopedic Surgeon
FRANCIS RANDALL HAGNER, M. D.	Genito-Urinary Surgeon
HOMER GIFFORD FULLER, M. D.	Associate Genito-Urinary Surgeon
ADAM KEMBLE, M. D.	Associate Genito-Urinary Surgeon
RANDOLPH BRYAN CARMICHAEL, M. D.	Dermatologist
CHARLES WILLIAMSON RICHARDSON, M. D.	Laryngologist
WILLIAM THORNWALL DAVIS, M. D.	Ophthalmologist
EDWARD GRANT SEIBERT, M. D.,	Associate Laryngologist and Ophthalmologist
ARTHUR C. CHRISTIE, M. D.	Roentgenologist
THOMAS A. GROOVER, M. D.	Associate Roentgenologist
EDWIN A. MERRITT, M. D.	Associate Roentgenologist
HENRY W. KEARNEY, M. D.	Anaesthetist
CLINE N. CHIPMAN, M. D.	Associate Anaesthetist
CHARLES W. HYDE, M. D.	Associate Anaesthetist
OSCAR BENWOOD HUNTER, M. D.	Pathologist
TOMÁS CAJIGAS, M. D.	Director of the Clinical Laboratory
EARL C. FOLLETT, M. D.	Physiologist
JOSEPH H. ROE, Ph. D.	Chemist
AURALEE SCHREVE, R. N.	Laboratory Technician
B. B. THOMPSON, R. N.	Superintendent of Nurses and Principal of the Training School for Nurses
EUGENE G. NORTINGTON, M. D.	Superintendent

Dispensary

STERLING RUFFIN, M. D.	Physician-in-Chief
WILLIAM CLINE BORDEN, M. D.	Surgeon-in-Chief
JOHN WESLEY BOVEÉ, M. D.	Gynecologist-in-Chief
HURON WILLIS LAWSON, M. D.	Obstetrician-in-Chief
WILLIAM J. MALLORY, M. D.	Director of the Dispensary

Medicine

WILLIAM JOHNSTON MALLORY, M. D.	Attending Physician
FRANK A. HORNADAY, M. D.	Attending Physician
JAMES H. HAWFIELD, M. D.	Attending Physician
JESSE T. MANN, M. D.	Attending Physician
WILLIAM B. SIMS, M. D.	Attending Physician
JAMES MINOR, M. D.	Attending Physician
F. DENNETT ADAMS, M. D.	Attending Physician
DANIEL S. HATFIELD, M. D.	Attending Physician
COLIN R. WEIRICH, M. D.	Attending Physician

Surgery

JACOB KOTZ, M. D.	Attending Surgeon
CUSTIS L. HALL, M. D.	Attending Surgeon
FRED Y. WILLIAMSON, M. D.	Attending Surgeon
NATHAN N. SMILER, M. D.	Attending Surgeon

Genito-Urinary and Skin Diseases

ADAM KEMBLE, M. D.	Attending Surgeon
CHARLES O. KNOTT, M. D.	Attending Surgeon
HARRY PRICE, M. D.	Attending Surgeon
LYLE M. MASON, M. D.	Attending Surgeon

Gynecology

ELIJAH WHITE TITUS, M. D.	Attending Gynecologist
RICHARD L. SILVESTER, M. D.	Attending Gynecologist

Obstetrics

CYRUS W. CULVER, M. D.	Attending Obstetrician, Out-Patient Service
RAMSAY SPILLMAN, M. D.	Attending Obstetrician

Eye, Ear, Throat and Nose

WILLIAM T. DAVIS, M. D.	Ophthalmologist
EDWARD GRANT SEIBERT, M. D.	Laryngologist and Ophthalmologist
RALPH S. PENDENTER, M. D.	Attending Ophthalmologist
ALBERT PERKINS TIBBETS, M. D.	Attending Laryngologist and Otologist
EARL GRIFFITH BREEDING, M. D.	Attending Laryngologist and Otologist
BOYCE R. BOLTON, M. D.	Attending Laryngologist
CARROLL E. FOLEY, M. D.	Attending Ophthalmologist

Pediatrics

COURSEN BAXTER CONKLIN, M. D.	Attending Pediatrician
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Neurology

JOSEPH D. STOUT, M. D.	Attending Neurologist
JOHN M. LADD, M. D.	Attending Neurologist
RAYMOND K. FOXWELL, M. D.	Attending Neurologist

Roentgenology

ARTHUR C. CHRISTIE, M. D.	Roentgenologist
THOMAS A. GROOVER, M. D.	Associate Roentgenologist

Dermatology

CHARLES B. CAMPBELL, M. D. *Attending Dermatologist*

Dentistry

ALLAN S. WOLFE, D. D. S. *Attending Oral Surgeon*

RALPH L. MORRISON, D. D. S. *Attending Dental Surgeon*

DONALD H. GLEW, D. D. S. *Attending Dental Surgeon*

Pathology, Physiology, Chemistry

OSCAR BENWOOD HUNTER, M. D. *Pathologist*

EARL C. FOLLETT, M. D. *Physiologist*

JOSEPH H. ROE, Ph.D. *Chemist*

Laboratory

TOMÁS MOREAU CAJIGAS, M. D. *Director*

AURALEE SHREVE, R. N. *Technician*

Medical Building

ANNA ELIZABETH SELLNER *Secretary to the Dean*

OSCAR B. HUNTER, M. D. *Curator of the Museum*

ALICE DICKINSON, R. N. *Assistant Curator*

WILLIAM BINFORD KING, A. B. *Librarian*

VIOLET RAISON *Assistant Librarian*

ELMER SCHATZ *Superintendent of the Building*

Historical

The *Medical School of the George Washington University*, in chronologica order of establishment, is the eleventh Medical School in the United States. The first course of lectures began in March, 1825. For many years the school was known as the National Medical College; subsequently as the Department of Medicine of the Columbian University. By virtue of an act of Congress approved January 23, 1904, the Columbian University changed its name to "The George Washington University."

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the Medical School. In 1902 the old Medical School Building, in which the exercises had been held since 1867, gave place to the present large and commodious structure.

Educational Position

The Medical School of the University has for several years been a member of the Association of American Medical Colleges. It is one of the medical colleges designated as "Class A" by the American Medical Association, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

The degree of M. D. given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of

one year of post graduate hospital work in those States which require hospital internship, will admit a graduate of our Medical School to all state examinations.

The alumni of this School are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them. These facts guarantee the character of the work done by the School and insure students and graduates all the advantages which accrue from such association and recognition.

BUILDINGS AND OTHER FACILITIES

All the buildings adjoin each other and consist of the Medical School building, the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

Medical School Building.—A modern, commodious, five-story structure with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and students' rooms, equipped with steam heat, gas, electricity, and all modern improvements.

Laboratories.—Five in number (for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology and pharmacology and bacteriology and pathology) are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library.—Open for study and reading from 9 a. m. to 4 p. m., with a librarian in charge. It contains at present more than 2,000 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received. The library is an excellent working collection, as it affords opportunity to read up adequately on the subjects presented in the courses.

For purposes of study and research the unequalled resources of the great Library of the Surgeon General of the Army are available to all students and teachers.

Pathological Museum.—Contains many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

No dental or arts courses are conducted in the Medical School, and students in medicine have the advantage of being instructed by teachers whose interests are primarily medical and of not having to be in classes or laboratories with students pursuing other courses.

ADVANTAGE OF LOCATION FOR THE STUDY OF MEDICINE

The city of Washington has nearly a half million inhabitants, providing abundant clinical material to the hospitals, which have an aggregate of over four thousands beds. In these hospitals clinical instruction, in addition to that in the University Hospital, is given by members of the faculty.

The *great libraries and museums* connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's office of the United States Army is the most complete medical library in the world, and in addition to the great collections of medical works, all leading medical periodicals of the world are subscribed for. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various government offices. All the facilities of these great libraries are open to *medical students*.

The *Army Medical Museum* affords an unrivalled opportunity for studying the conditions met with in military and general medicine and surgery. It has on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. The other great government museums—the Museum of Hygiene and the National Museum—as well as the Smithsonian Institution, the Fish Commission, the Botanic Gardens and the Department of Agriculture, all afford opportunities for study both in medicine and its collateral sciences.

On account of the many medical and scientific facilities of this city, the *Army and the Navy Medical Schools, with the large Army and Navy General Hospitals*, have been located here.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is the seat of the General Government, are broad and national, make it an ideal place for a medical student to pass his four years of study.

ADMISSION

The requirements for admission to the Medical Schools are as follows:

Candidates for matriculation must be of good moral character.

The minimum educational requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

<i>Subjects</i>	<i>Units*</i>	<i>Required</i>
Group I, English—		
Literature and composition.....	3-4	3
Group II, Foreign Languages—		
Latin.....	1-4	
Greek.....	1-3	
French and German.....	1-4	2†
Other foreign languages.....	1-4	
Group III, Mathematics—		
Elementary algebra.....	1	1
Advanced algebra.....	$\frac{1}{2}$ -1	
Plane geometry.....	1	1
Solid geometry.....	$\frac{1}{2}$	
Trigonometry.....	$\frac{1}{2}$	
Group IV, History—		
Ancient history.....	$\frac{1}{2}$ -1	
Medieval and modern history.....	$\frac{1}{2}$ -1	
English history.....	$\frac{1}{2}$ -1	1
American history.....	$\frac{1}{2}$ -1	
Civil government.....	$\frac{1}{2}$ -1	
Group V, Science—		
Botany.....	$\frac{1}{2}$ -1	
Zoology.....	$\frac{1}{2}$ -1	
Chemistry.....	1	
Physics.....	1	
Physiography.....	$\frac{1}{4}$ -1	
Physiology.....	$\frac{1}{2}$ -1	
Astronomy.....	$\frac{1}{2}$	
Geology.....	$\frac{1}{2}$ -1	
Group VI, Miscellaneous—		
Agriculture.....	1-2	
Bookkeeping.....	$\frac{1}{2}$ -1	
Business law.....	$\frac{1}{2}$ -1	
Commercial geography.....	$\frac{1}{2}$ -1	
Domestic science.....	1-2	
Drawing, freehand and mechanical.....	$\frac{1}{2}$ -2	
Economics and economic history.....	$\frac{1}{2}$ -1	
Manual training.....	1-2	
Music: Appreciation and harmony.....	1-2	

* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

† Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the languages specified.

COLLEGE WORK

	<i>Semester hours required</i>
Chemistry.....	12
Physics.....	8
Biology.....	8
English.....	6
Electives.....	26

Chemistry.—Of the twelve semester hours required, eight hours must be made up of general inorganic chemistry (including four semester hours of laboratory work). Qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours including two semester hours of laboratory work must consist of organic chemistry.

Physics.—The eight semester hours required must include at least two semester hours in laboratory work. It is urged that this course be preceded by a course in trigonometry.

Biology.—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology or by a course of four semester hours each in zoology and botany, but not by botany alone.

English Composition and Literature.—The usual introductory college course of six semester hours, or its equivalent, is required.

Electives.—It is recommended that the twenty-six semester hours required include a modern foreign language, comparative vertebrate anatomy social science and psychology.

A semester hour is the credit value of one-half year's work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net; at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period; and the year to be not less than thirty-three weeks of actual work.

An examination is given by the University in the latter part of May and September of each year to students who are deficient in whole or part of the subjects required for entrance to the Pre-Medical Course. Candidates desiring examination must submit an application for the examination before the first of the month in which they desire to be examined.

Certificates from reputable instructors recognized by the State Board of Medical Examiners duly authorized by law or by the Superintendent of public instruction in States having no examining board may be accepted in lieu of any part of the examination.

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, and candidates are advised that if they meet the pre-medical and other requirements of this School they will be able to comply with these legal demands of all State Examining Boards in the United States. Any admission standard lower than that of this School will not meet the requirements of all the States in the Union.

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

Courses are offered by the University to meet the required two years of college work necessary to enter the freshman class in Medicine.

	SEMESTER HOURS
<i>First Year</i>	
Chemistry 1 and 2.....	10
Zoology 3.....	8
English 1 or 2.....	6
Electives (including preferably French or German).....	6
Total.....	30
<i>Second Year</i>	
Physics 3 and 4.....	10
Chemistry 8.....	6
Electives (other than Natural Science).....	14
Total.....	30

COURSES AND DEGREES OFFERED BY THE UNIVERSITY IN ADDITION TO OR IN COMBINATION WITH THE COURSE FOR THE DEGREE OF DOCTOR OF MEDICINE

The University offers a six-year combination course, by which a student may obtain the degree of Bachelor of Science in Medicine and Doctor of Medicine, and a seven-year course for the degrees of Bachelor of Arts and Doctor of Medicine.

ADMISSION TO COLUMBIAN COLLEGE

Applicants for admission to the Freshman Class in Columbian College for the combined courses leading to the degrees of Bachelor of Arts or Bachelor of Science in Medicine and Doctor of Medicine must meet the general admission requirements of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. The fifteen units of the entrance requirements must include English, 3 units; Mathematics, $2\frac{1}{2}$ units, and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units. The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

SIX YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least eighteen semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course the student will receive at the same

time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the combined six-year course is as follows:

a. *Columbian College*

<i>Freshman Year</i>	SEMESTER HOURS
Chemistry 1 and 2.....	10
English 1 or 2.....	6
French or German.....	6
Mathematics.....	6
Zoology 3.....	8
Total.....	36

<i>Sophomore Year</i>	SEMESTER HOURS
Chemistry 8.....	6
French, German or Spanish.....	6
Philosophy (including Psychology).....	6
Physics 3 and 4.....	10
Zoology 2.....	6
Electives.....	2
Total.....	36

b. *Medical School*

The four-year course for the degree of Doctor of Medicine.

SEVEN YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Regular students in this course will complete at least 90 semester hours as prescribed in *Columbian College* and the first-year course in the *Medical School*. On completion of the prescribed 90 semester hours of college work and the first year of the regular course in *Medicine*, the student will receive the degree of Bachelor of Arts.

The hours of prescribed work, at least 12 semester hours of which must be taken in *Columbian College*, are as follows:

Columbian College:

SUBJECT	SEMESTER HOURS
Zoology 3.....	8
Chemistry 1, 2 and 8.....	16
English.....	6
Modern Languages, preferably French or German.....	12
Mathematics.....	6
Physics 3 and 4.....	10
Philosophy (including Psychology).....	6
Electives (including not to exceed 30 semester hours in Medicine).....	56
Total.....	120

ADMISSION OF STUDENTS FROM OTHER SCHOOLS

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an Arts course in other accredited colleges or universities may be admitted to advanced standing in any of the pre-medical courses offered by the University upon examination or upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

Students, approved by the Dean, not candidates for the degree of Doctor of Medicine, may be admitted as special students to any of the courses, provided they have the educational attainments which will enable them to pursue properly the studies they elect.

ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study of the degree of Doctor of Medicine consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the one-hundredth, begins September 26, 1923, and ends June 4, 1924.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, bedside instruction, and hospital and dispensary clinics. Particular stress is laid upon laboratory work and clinical teaching. The clinical material of the University Hospital and Dispensary is utilized to the fullest extent, as the Hospital, the Dispensary, and the Medical School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in medicine.

The policy adopted by the School is to give a comprehensive, well-graded and well-proportioned course—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Medical Examining Boards.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in italics:

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
<i>Anatomy.</i> <i>Histology.</i> <i>Embryology.</i> <i>Physiology.</i> <i>Chemistry.</i> <i>Ethics.</i>	<i>Anatomy.</i> <i>Chemistry.</i> <i>Pathology.</i> <i>Bacteriology.</i> <i>Materia Medica.</i> <i>Pharmacology.</i> <i>Minor Surgery.</i> <i>Physical</i> <i>Diagnosis.</i> <i>Pathological</i> <i>Physiology.</i> <i>Hygiene.</i>	<i>Medicine.</i> <i>Surgery.</i> Fractures and Dislocations. <i>Clinical</i> Microscopy. <i>Obstetrics.</i> <i>Therapeutics.</i> <i>Roentgenology.</i> <i>Anaesthesia.</i> <i>Gynecology.</i> <i>Medical</i> Jurisprudence. <i>Clinical</i> Chemistry. <i>Dietetics.</i> <i>Tropical</i> Medicine. <i>Clinics.</i>	<i>Medicine.</i> <i>Surgery.</i> <i>Orthopedics.</i> <i>Genito-Urinary</i> Diseases. <i>Military</i> Surgery. <i>Obstetrics.</i> <i>Gynecology.</i> <i>Laryngology</i> and <i>Otology.</i> <i>Ophthalmology.</i> <i>Dermatology.</i> <i>Psychiatry.</i> <i>Pediatrics.</i> <i>Neurology.</i> <i>Ethics.</i> <i>Clinics.</i>

The *clinics* above listed comprise the medical, surgical, obstetrical and other clinics given in the third and fourth years, and are as hereafter noted under the announcements of the different clinical subjects.

Students in the medical unit, Reserve Officers' Training Corps, have one additional hour per week of instruction in medico-military subjects.

OUTLINE OF CURRICULUM

Hours of Required Work in Each Subject
(On the basis of 32 actual weeks in each year)

SUBJECT	YEARS	HOURS	
		Totals*† Didactic, Lab. and Clinical	Didactic not to exceed
Anatomy.....	I	420	60
Anatomy.....	II	102	30
		— 522	— 90
Histology and Embryology.....	I	288	60
		— 288	— 60
Chemistry.....	I	180	60
		— 180	— 60
Physiology.....	I	90	30
Physiology.....	II	150	60
		— 240	— 90
Bacteriology.....	II	144	30
Pathology.....	II	320	60
Preventive Medicine and Hygiene.....	II	160	60
		— 624	— 150
Pharmacology.....	II	108	42
Materia Medica.....	II	30	12
Therapeutics.....	III	64	64
		— 202	— 128
Gynecology.....	III and IV	120	45
		— 120	— 45
Obstetrics.....	III and IV	192	64
		— 192	— 64
Medicine, including Endocrinology and Dietetics.....	II, III, IV		
General Medicine.....		510	152
Clinical Microscopy and Parasitology.....		48	12
Physical Diagnosis.....		80	40
Tropical Diseases.....		12	12
Dermatology and Syphilis.....		93	30
Pediatrics.....		165	62
Nervous and Mental Diseases.....		163	54
Medical Jurisprudence.....		23	23
Clinical Chemistry.....		48	12
		— 1142	— 401
Surgery.....	II, III, IV		
General Surgery, including Minor Surgery, Military Surgery, Fractures and Anaesthesia.....		484	148
Roentgenology.....		36	14
Ophthalmology.....		60	18
Otology and Laryngology.....		56	28
Genito-Urinary Surgery.....		52	28
Orthopedics.....		57	24
		— 745	— 260
Grand totals.....		4255	1348

*The number of hours represents the amount of time each student devotes to the course. In addition to the hours scheduled in the third and fourth years, each student is required to do satisfactorily considerable practical work; he is assigned to cases in hospitals, is required to assist at operations, to attend cases of labor, administer anaesthetics, attend autopsies, and to take the history of cases. Fully 120 hours annually are required to do this unscheduled work.

† Subject to variation.

FIRST YEAR SCHEDULE

First Trimester

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	
1-2 Military Science					

2-5
Histology and
Embryology

2-5
Chemistry

2-5
Histology and
Embryology

2-5
Chemistry

2-5
Histology and
Embryology

Second Trimester

9-12
Anatomy

9-12
Anatomy

9-12
Anatomy

9-12
Anatomy

9-12
Anatomy

2-5
Histology and
Embryology

2-5
Chemistry

2-5
Histology and
Embryology

2-5
Chemistry

2-5
Histology and
Embryology

2-5

Third Trimester

9-12
Anatomy

9-12
Anatomy

9-12
Anatomy

9-12
Chemistry

9-12
Histology and
Embryology

9-10
Physiology

2-5
Histology and
Embryology

2-5
Chemistry

2-5
Histology and
Embryology

1-5
Physiology

1-5
Physiology

THIRD YEAR

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9 Surgery Lecture					
9-10 Practice of Medicine Lecture	9-10 Therapeutics	9-10 Practice of Medicine Lecture	9-10 Gynecology Lecture	9-10 Practice of Medicine Lecture to January 31st	9-12 Clinical Chemistry to January 31st Clinical Microscopy after February 1
10-11 Obstetrics Lecture	10-11 Dietetics to De- cember 31st	10-12 Gynecological Clinic University Hospital or Columbia Hospital 2 Sections	10:15-11:45 Surgical Clinic Children's Hospital 2 Sections	10-11 Therapeutics	
11-12 Practice of Medicine Recitation	11:30-12:30 Obstetrics	11-12 Obstetrical Clinic Columbia Hospital after February 1st Special Sections	11-12 Obstetrical Clinic Columbia Hospital after February 1st Special Sections	11-12 Surgery Lecture 12:45-1:45 Medical Clinic Emergency Hospital 1 Section	
11-12 Obstetrical Clinic Columbia Hospital after February 1st Special Sections					
12:30-2 Surgical Clinic University Hospital Entire Class	1-2 Surgery Lecture	1-3 Surgical Clinic Emergency Hospital Entire Class	12-1 Surgical Clinic University Hospital Entire Class	1-2 Gynecological Clinic University Hospital 1 Section	1-2 Laryngological and Ophthalmological Clinic University Dispensary 1 Section
3-4 Dietetics Lecture to December 31st Proctology Lecture after January 1st	2-3 Gynecological Clinic Emergency Hospital 1 Section		1-2 Medical Clinic University Hospital Entire Class	2-3 Pediatrics Lecture to December 31st Roentgenology after January 1st	1:15-1:45 Neurological Clinic Emergency Hospital 1 Section
4:30-5:30 Tropical Medicine Lecture to De- cember 31st Medical Jurispru- dence after Janu- ary 1st.	2:15-3:15 Pediatric Clinic Children's Hospital 1 Section 4-5 Anesthesia Lecture to December 1st	3-4 Pediatrics Lecture to December 31st	2:30-4 Pediatric Clinic Children's Hospital 1 Section	4-5 Neurology Lecture	3-5 Medical Clinic University Hospital Entire Class

FOURTH YEAR

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
8-9 Gynecology Recitation	All Day Walter Reed General Hospital Medicine and Surgery Entire Class	Laryngology to Dec. 31 Dermatology, January 1-May 1		8-9 Laryngology to De- cember 31st Dermatology Janu- ary 1st to May 1st	8-9 Orthopedics Lecture to February 28th Ethics, two periods, after March 1st.
9-10 Practice of Medicine Lecture	9-10 Practice of Medicine Lecture		9-11 Neurological and Psychiatric Clinic St. Elizabeth's Hospital 1 Section	9-10 Practice of Medicine Lecture to January 31st	9-30-11:30 Medical Clinic Washington Asylum Hospital 1 Section Surgical Clinic Washington Asylum Hospital 1 Section
10:15-12:15 Pediatric Clinic Children's Hospital 1 Section	10:15-11:45 Orthopedic Clinic Emergency Hospital 1 Section	10:15-11:45 Orthopedic Clinic Emergency Hospital 1 Section	9-10-45 Surgical Clinic Emergency Hospital 1 Section	10:30-12:30 Surgical Clinic Garfield Hospital Half Section	
10:30-12:15 Genito-Urinary Clinic Garfield Hospital 1 Section	10-11:45 Gynecological Clinic Columbia Hospital or University Hospital 1 Section	11-12 Obstetrical Clinic Columbia Hospital to January 31st Special Sections	11-12 Obstetrical Clinic Columbia Hospital to January 31st Special Sections	10:15-12:15 Orthopedic Clinic Children's Hospital 1 Section	
11-12 Obstetrical Clinic Columbia Hospital to January 31st Special Sections	11-12 Obstetrical Clinic Columbia Hospital to January 31st Special Sections	11-12 Obstetrical Clinic Columbia Hospital to January 31st Special Sections	12:30-1:30 Medical Clinic T. B. Hospital after April 1 Dr. Tewksbury Entire Class	10:15-12:15 Pediatric Clinic Children's Hospital Half Section	
12:30-2 Surgical Clinic University Hospital		12-1 Obstetrics Lecture			

2-4 Ophthalmological Clinic Episcopal Eye, Ear, Nose and Throat Hospital Special Sections	1-2 Laryngological Clinic Episcopal Eye, Ear, Nose and Throat Hospital 1 Section	1-2 Neuropathology St. Elizabeth's Hospital to March 31 Entire Class	1-2 Laryngological and Ophthalmological Clinic University Dispensary 1 Section	1-2 Medical Clinic University Hospital 1 Section
2-3 Medical Clinic Garfield Hospital 1 Section	1-2 Genito-Urinary Clinic Emergency Hospital 1 Section	2-4 Medical Clinic St. Elizabeth's Hos- pital to April 1st Entire Class	1-1:45 Dermatological Clinic Emergency Hospital 1 Section	1-2 Laryngological Clinic Episcopal Eye, Ear, Nose and Throat Hospital 1 Section
2:30-4 Infectious Disease Clinic Garfield Hospital Dr. Beale	2-3 Roentgenological Clinic Univ. Disp. After April 1. Entire Class Dr. Christie	2-4 Operative Surgery Medical School after April 1st 1 Section	2-3 Obstetrics Lecture	2-3 Surgery Lecture
	3-4 Practice of Medicine Recitation	4-5 Psychiatry Clinic St. Elizabeth's Hos- pital to December 31st Entire Class	3-4 Ophthalmology Lec- ture to February 15th	3-5 Medical Clinic University Hospital Entire Class
4-5 Surgery Lecture	4-5 Genito-Urinary Surgery Lecture	Psychiatry Lecture Clinic January 1st to March 31st Entire Class	3-4 Military Surgery Lec- ture February 15th to May 31st	
			4-5 Pediatric Case Teaching	

ANATOMY

GEORGE B. JENKINS, M. D.....	Professor
OTHMAR SOLNITZKY, Ph. D.....	Instructor
WILLIAM BINFORD KING, A. B.....	Instructor

The work in general anatomy is designed to cover the entire subject in such manner as to afford the student a practical working basis for his later studies in medicine and is so correlated and taught as to emphasize the value of relations and functions as well as that of structure.

While constant surveillance is maintained over the study body by the Division, individual work is encouraged and to those men who demonstrate especial fitness, opportunities for advanced work are offered. Research is encouraged and qualified students will be aided in every way possible.

Careful drawings of selected parts are required, frequent demonstrations are given and conferences are held by members of the Division.

The following courses are offered:

(1) *Gross Anatomy.*

This includes the careful dissection and study of the entire body during the first year, excepting the central nervous system. The study of the more difficult parts such as the special sense organs and Viscera is supplemented by the use of models and prepared specimens.

Osteology and Arthrology are studied during dissection, supplemented by a short laboratory course in the study and drawing of prepared specimens.

(2) *Microscopic Anatomy and Embryology.*

This includes normal Histology and Embryology and while these courses are taught separately, they are so correlated as to show the structural units of the body developmentally, their morphology and arrangement and their relations to each other and to other structural units in the construction of the tissues and organs so that this body study may constitute a proper basis for Gross Anatomy, Physiology, Pathology, and the clinical branches.

(3) *Neuro-Anatomy* is taught in the second year and consists of study, both gross and microscopic, of the central nervous system. Abundant material is provided and models, diagrams and lantern projections are freely used.

(4) *Topographical Anatomy* is given by a study-room course in drawing and studying prepared specimens, cross-section and other materials.

(5) *Clinical and Applied Anatomy (Elective).*

A series of demonstrations with study-room facilities is given to correlate the general anatomy of selected regions with the needs of the clinician.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Gross Anatomy	I	420	60
Neuro and Topographical Anatomy.....	II	102	30
Histology and Embryology.....	I	288	60
		—810	—180

PHYSIOLOGY AND PHARMACOLOGY

EARL C. FOLLETT, M. D.....	<i>Professor</i>
EUGENE R. NORTINGTON, M. D.....	<i>Professor of Pharmacology</i>
JAMES H. DEFANDORF, A. M.....	<i>Associate Professor</i>

PHYSIOLOGY

The instruction in Physiology is by lectures, recitations, demonstrations, laboratory exercises and conferences.

The courses begin in the third trimester of the first year so that the student may early in his course in medicine be introduced to the functional viewpoint. He is taught to observe accurately, and to correlate the observed facts so that he may draw conclusions regarding the various functions of the body in health and as the basis upon which his knowledge of diseases is built. It is the policy of the department to show the student the relation of physiology to the interpretation of disease and to train him so that in later years he may be able to adapt the methods of investigation learned in the laboratory to the study of morbid conditions.

COURSES 1 AND 1A FOR FIRST-YEAR STUDENTS—3D TRIMESTER

Course 1. Physiology lectures, recitations, written reviews, conferences, covering muscle, nerve, heart and circulatory system.

Course 1a. Experimental Physiology—muscle and nerve; demonstrations and experiments. Each student is required to keep records of his experiments and have the records checked before he leaves the laboratory for the day. The class is divided into groups of two for the experimental work.

COURSES 2 AND 2A FOR SECOND-YEAR STUDENTS—FIRST AND SECOND TRIMESTERS

Course 2. The functions of the nervous system and special senses, of glands, digestive system, and respiratory system are considered by lectures, recitations and laboratory demonstrations and experiments.

Course 2a. Experimental Physiology. The experiments are selected to illustrate the fundamental principles of Physiology and familiarize the student with methods employed in Experimental Physiology and Medi-

cine. The class in groups of two or four are given practical work in electro cardiography, recording pulse tracings and determining basal metabolism.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Physiology	I	90	30
Physiology	II	150	60
		—240	— 90

PHARMACOLOGY

EARL C. FOLLETT, M. D.....	<i>Professor</i>
EUGENE R. NORTHINGTON, M. D.....	<i>Professor</i>
JAMES HOLMES DEFENDORF, M. A.....	<i>Associate Professor</i>

1. *Elementary Pharmacy and Principles of Prescription Writing.*—In this course the chemical and physical characteristics of the more important drugs are studied and pharmacopoeial preparations of the different pharmaceutical classes are prepared. The study of physical and chemical incompatibilities is carried on in close association with the above work.

While the elements of prescription writing are taught at this time, the student is drilled in the writing of simple prescriptions all through his course in pharmacology.

2. *Pharmacology.*—The course comprises lectures, laboratory work, conferences and written reviews, which follow the work in pharmacy. Special effort is made to correlate the work closely and to keep before the minds of the students the close association of pharmacology with physiology and chemistry. The experiments are selected to illustrate a wide range of pharmacologic actions, the more important drugs being studied in relation to their effect on different structures.

THERAPEUTICS

BUCKNER MACILL RANDOLPH, M. D.....	<i>Professor</i>
ELLIOTT M. CAMPBELL, M. D.....	<i>Instructor</i>

(1) Systematic lectures and recitations on the physiological action of drugs and other remedial agents, their therapeutic use in disease; their modes of administration; and a review of their toxicology. (2) A review of the principles of prescription writing, with practical exercises by students in writing prescriptions in the metric system. (3) Lectures in applied therapeutics, devoted to the study of the application of remedial measures to morbid physiological and pathological states, as they occur clinically.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Pharmacology	II	108	42
Materia Medica and Toxicology.....	II	30	12
Therapeutics	III	64	64
		—202	—128

CHEMISTRY

JOSEPH HYRAM ROE, Ph. D.....	Professor
OLIVER JOHN IRISH, A. B.....	Associate Professor
JOHN ALTON REED, M. D.....	Clinical Instructor

The instruction in Chemistry consists of lectures, laboratory work, demonstrations, recitations and informal conferences. The structural side of the subject is emphasized in so far as is essential to equip the student for the subsequent study of Pharmacology and Medicine, and to enable him to read capably medical literature. The functional aspects of biochemistry receive major consideration.

The following courses are offered:

1. *Physical Chemistry and Quantitative Principles*: A series of lectures, supplemented by laboratory experimentation, is first given upon the physico-chemical processes concerned in functional activity, and upon the recent advances in inorganic chemistry. Such phenomena as diffusion, dialysis, osmosis, colloids, radio-activity and the structure of the atom, are especially emphasized. The student is also taught in the laboratory the standardization of apparatus, hydrogen-ion concentration, the preparation of standard solutions, the theory and use of indicators, and quantitative principles essential for subsequent biochemical analysis.

2. *Physiological Chemistry*: After the above preliminary training the remainder of the year is devoted to physiological chemistry. This course consists of a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine and the secretions; the physiological chemical processes such as the digestion, absorption and assimilation of foods, general enzyme action, and metabolism; the fundamental principles of nutrition. The laboratory work is planned to supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism.

3. *Clinical Chemistry*: A course in the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of a quantitative examination for significant substances in the blood, urine, gastric juice, and alveolar air, and the interpretation of these findings as applied to diseased conditions. The routine qualitative clinical tests are also considered thoroughly. These studies are carried out upon pathological material from the University Hospital and other sources.

4. *Graduate Work*: A course in clinical chemistry is offered to a limited number of physicians and graduate students who wish to become acquainted with recent advances in laboratory methods of diagnosis.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Chemistry	I	180	64
Clinical Chemistry	III	48	12

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A. B., A. M., M. D.....*Professor*

EUGENE R. WHITMORE, B. S., M. D., Dr. P. H.

Professor of Bacteriology and Preventive Medicine

NOLAN VON CHARPENTIER LEWIS, M. D.

*Professor of Experimental Pathology*TOMAS CAJIGAS, M. S., M. D.....*Professor of Pathology*HELEN I. PAFF, B. S.....*Instructor in Bacteriology*

BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty lectures and quizzes, in which the entire field of bacteriology, including immunology in its application to human medicine and welfare, is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare a vaccine, and in groups prepare agglutinating, hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of dark ground illumination, and are taught to make microscopic measurements.

During the course where occasion arises in connection with special cases of interest in the University Hospital or elsewhere unusual infections or rarely occurring processes of diagnosis, etc., are demonstrated. The routine bacteriologic and serologic work of the Hospital is done in the same laboratory where the students are working so that they have ample opportunity to observe the practical application of bacteriology.

PATHOLOGY

In Pathology, the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being about twice the corresponding time in Bacteriology. General pathology, covering inflammation, repair, degenerations, the effects of plant (including bac-

teria) and animal parasites on the body, the effect of chemical and physical agents, the formation of new growth, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. About two hundred sections are stained, mounted and loaned to each student. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

Each student is required to freeze, section, stain and diagnose a number of tissues until he becomes thoroughly familiar with frozen section technique.

The microscopic study is supplemented by that of material from the operating room, post-mortem and by specimens in the museum, thus giving a knowledge of gross morbid anatomy.

At St. Elizabeth's Hospital, under Dr. Lewis, students have an excellent opportunity for training in gross pathology and in the details of post-mortem technic from the autopsy through the preparation, sectioning, and staining of the tissues to be studied, to their final diagnosis and report.

CLINICAL MICROSCOPY AND PARASITOLOGY

In the course in Clinical Microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

PREVENTIVE MEDICINE AND HYGIENE

The course in Preventive Medicine and Hygiene consists of lectures and recitations, laboratory work, sanitary excursions and sanitary surveys. The lectures and recitations cover the field of preventive medicine and hygiene, including personal hygiene, in a systematic way, using the standard text-books for the basic reading. The laboratory instruction consists of laboratory work and demonstrations in public health laboratory methods and in physiological hygiene. The sanitary excursions include visits to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy, pasteurization plant, schools, various industrial plants, and a county health organization. A

study will be made of the organization and functioning of a city health department; and the students will make sanitary surveys of small towns.

SUBJECT	YEARS	HOURS	
		Totals Didactic and field	Didactic not to exceed
Preventive Medicine and Hygiene.....	II	160	60

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Bacteriology	II	144	30
Pathology	II	320	60
Preventive Medicine and Hygiene.....		160	60
		—624	—150
Clinical Microscopy and Parasitology....		48	16

MEDICINE

STERLING RUFFIN, M. D.....	Professor
THOMAS ASH CLAYTOR, M. D.....	Clinical Professor
CHARLES S. BUTLER, M. D.....	Professor of Tropical Medicine
T. LAWN THOMPSON, M. D.....	Clinical Professor
HARRY S. BERNTON, M. D.....	Professor of Medical Jurisprudence
FRANK LEECH, M. D.....	Clinical Professor
FRANK ADELBERT HORNADAY, S. B., M. D.	Professor of Dietetics and Associate
THOMAS S. LEE, M. D.....	Clinical Professor
COURSEN BAXTER CONKLIN, S. B., M. D.....	Associate
WILLIAM JOHNSTON MALLORY, M. D.....	Associate
THOMAS LINVILLE, M. D.....	Clinical Associate
GEORGE N. ACKER, 2nd, M. D.....	Associate
WATSON W. ELDRIDGE, M. D.....	Associate
F. AUGUSTUS REUTER, M. D.....	Clinical Associate
HENRY R. SCHREIBER, M. D.....	Clinical Associate
EVERETT MUNROE ELLISON, A. M., M. D.....	Clinical Instructor
WILLIAM HOUSTON LITTLEPAGE, M. D.....	Clinical Instructor
WILLIA DAVID TEWSBURY, M. D.....	Clinical Instructor
CARROL E. BINGHAM, M. D.....	Instructor
ROBERT S. BEALE, M. D.....	Clinical Instructor
MAURICE A. SELINGER, M. D.....	Clinical Instructor
JAMES H. HAWFIELD, M. D.....	Clinical Instructor
WILLIAM B. SIMS, M. D.....	Clinical Instructor
JAMES MINOR, M. D.....	Clinical Instructor
JESSE T. MANN, M. D.....	Clinical Instructor
F. DENNETTE ADAMS, M. D.....	Clinical Instructor
DANIEL S. HATFIELD, M. D.....	Clinical Instructor
COLIN R. WEIRICH, M. D.....	Clinical Instructor

Instruction in Medicine is so given as to conform to the most modern requirements. The work begins in the second year with a complete course in history-taking and normal physical diagnosis, and is continued through the third and fourth years. During the later two years the course consists of lectures, recitations, a study of case histories, clinical conferences, and practical work in the clinical laboratory and at the bedside.

The third-year class is divided into small sections, which are required to attend the daily dispensary service in the University Hospital, where they are drilled especially in history-taking and in the technique of practical physical diagnosis.

The fourth-year class is similarly divided into small sections, and these are required to attend ward clinics in the University Hospital, the Garfield Memorial Hospital, Children's Hospital, St. Elizabeth's Hospital, and the Tuberculosis Hospital of the District of Columbia.

The system of ward clinics to small groups of students affords a most effective method of studying disease and gives to every student an opportunity of following a large assortment of diseases from their commencement to the termination of their illness: in no other way is it possible to get a more practical knowledge of the methods of studying disease or a more intimate knowledge of disease itself.

Every patient in the medical wards of the University Hospital is assigned to one, or at most two, senior students, who are required (under proper supervision) to take the history, to make and record a complete physical examination, to determine after due study the nature of the illness (diagnosis), to outline a plan of treatment, and to make daily notes of the progress of the case.

A weekly amphitheatre clinic is given to third-year students in a body and a similar clinic to the fourth-year class. A series of clinics in neurology and psychiatry is provided for the senior class at the Saint Elizabeth's Hospital, where there is a great wealth of material (see announcement of Psychiatry and Clinical Neurology).

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Medicine	II, III, IV		
General Medicine		510	152
*Clinical Microscopy		48	12
†Clinical Chemistry		48	12
Physical Diagnosis		80	40
Tropical Diseases		12	12
Dermatology and Syphilis.....		93	30
Nervous and Mental Diseases.....		186	62
Pediatrics		165	62
Medical Jurisprudence		23	23
		—1165	—405

* See also announcement under Bacteriology and Pathology.

† See also announcement under Chemistry.

TROPICAL MEDICINE

CHARLES S. BUTLER, M. D.,

Commander, Medical Corps, U. S. N., Professor

The course in tropical diseases is similar to that given in the Army and Navy Medical Schools, and consists of didactic lectures, quizzes, and laboratory instruction, with particular reference to the parasitic, protozoal diseases common in the tropics and in the southern part of the United States.

PSYCHIATRY AND CLINICAL NEUROLOGY

WILLIAM ALANSON WHITE, M. D., Superintendent of Saint

Elizabeth's Hospital *Professor*JOSEPH D. STOUT, Ph. D. *Associate Professor*MARY O'MALLEY, M. D. *Associate*ROSCOE W. HALL, Ph. B., M. D. *Clinical Associate*DANIEL C. MAIN, M. D. *Clinical Associate*RAYMOND K. FOXWELL, M. D. *Clinical Instructor*JOHN M. LADD, M. D. *Clinical Instructor*

A series of lectures and clinics upon psychosis and neurology in various forms are given at Saint Elizabeth's Hospital which, with its more than three thousand beds, affords one of the largest clinics in this country.

PEDIATRICS

GEORGE NICHOLAS ACKER, A. M., M. D. *Professor*HARRY HAMPTON DONNALLY, M. D. *Clinical Professor*EDGAR PASQUAL COPELAND, M. D. *Clinical Professor*PRESTON A. MCLENDON, M. D. *Instructor*HARRY A. ONG, M. D. *Clinical Instructor*

Didactic and clinical lectures, bedside and dispensary clinics are given upon diseases of infants and children and the importance of the proper management of these diseases by diet and hygiene.

The children's clinic, at the Children's Hospital, affords ample material for practical teaching in this branch.

PHYSICAL DIAGNOSIS

GEORGE N. ACKER, 2nd, M. D. *Associate*WILLIAM H. TALBOTT, M. D. *Instructor*BENJAMIN F. WEEMS, M. D. *Instructor*

Instruction is given in the principles and methods of physical examination by means of recitations, section work or normal subjects, and with clinical cases which typically represent diseased conditions.

DERMATOLOGY

RANDOLPH BRYAN CARMICHAEL, M. D.....	Professor
CHARLES B. CAMPBELL, M. D.....	Clinical Instructor

The lectures in this course will be principally clinical, supplemented by didactic lectures, illustrated by diagrams, models, and photographic illustrations of disease from life.

MEDICAL JURISPRUDENCE

HARRY S. BERNTON, M. D.....	Professor
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This course is designed to familiarize students with the rights and obligations of physicians, both legal and ethical, and to qualify them to apply the facts of medical science to the solution of problems in law.

DIETETICS

FRANK ADELBERT HORNADAY, M. S., M. D.....	Professor
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A course of lectures and conferences on the physiology of nutrition and principles of feeding in health and disease.

Each student is required to make a thorough dietetic study of one or more cases, and to plan proper dietaries in such cases. Vists are made to Government food exhibits.

SURGERY

WILLIAM CLINE BORDEN, M. D.....	Professor
LUTHER HALSEY REICHELDERFER, M. D.....	Clinical Professor
THOMAS CHARLES MARTIN, M. D.....	Professor of Proctology
HARRY HYLAND KERR, M. D.....	Clinical Professor
JAMES F. MITCHELL, A. B., M. D.....	Clinical Professor
CHARLES STANLEY WHITE, M. D.....	Associate Professor
DANIEL LERAY BORDEN, A. M., M. D.....	Associate Professor
HENRY W. KEARNEY, M. D.....	Professor of Anaesthesia
CHARLES W. HYDE, M. D.....	Associate in Anaesthesia
CLINE N. CHIPMAN, M. D.....	Associate in Anaesthesia
EDWARD M. PARKER, M. D.....	Clinical Associate
EDMOND J. HORGAN, M. D.....	Associate
HARRY SAMUEL LEWIS, M. D.....	Clinical Instructor
WILLIAM BERRY MARBURY, M. D.....	Instructor
GEORGE H. MORRIS, M. D.....	Clinical Instructor
HERBERT H. SCHOENFELD, M. D.....	Clinical Instructor
AUGUSTUS C. GRAY, M. D.....	Instructor
PAUL S. PUTZKI, M. D.....	Instructor
JAMES A. CAHILL, M. D.....	Clinical Instructor
JACOB KOTZ, M. D.....	Clinical Instructor
NATHAN SMILER, M. D.....	Clinical Instructor
LYLE M. MASON, M. D.....	Clinical Instructor
FRED T. WILLIAMSON, M. D.....	Clinical Instructor
FRANCES G. SPEIDEL.....	Instructor in Anaesthesia

The principles of surgery are presented in a systematic course of lectures, so that the student may obtain a comprehensive and adequate concept of the science and art of surgery. The special divisions of surgery are taught by associates and instructors who have made specialties of these branches. The clinical material in the University Hospital and Dispensary, being under the control of the Faculty, is directly used throughout the course to illustrate the subject taught and to familiarize the students with actual clinical conditions.

Surgical technique is taught by instruction in the preparation of materials used in antiseptic and aseptic surgery, the preparation of the patient, and the sterilization of instruments. Practical instruction is given in the Hospital and Dispensary in the application of splints, bandages, and dressings used in the various surgical diseases and injuries. Thorough instruction and practical demonstrations are given in the administration of anaesthetics.

Clinical teaching is carried on in the University Hospital and Dispensary, and in other hospitals of the city to which members of the Faculty are attached.

Ward clinics and bedside instruction are made a prominent part of the course. The classes are divided into sections, which are regularly assigned to clinical work in the University Hospital and Dispensary, and in other hospitals and dispensaries. Senior students are assigned in rotation to individual cases in the wards of the University Hospital.

Amphitheatre clinics are given, in which the general practice of surgical diagnosis and operative technique and therapeutic procedure are shown.

Practical work is required of each student in the preparation of dressings and sterilization of instruments. Each student is required to give, under instruction, at least six anaesthesias and to assist in at least six operation.

Thorough courses are given in operative surgery and proctology.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Surgery	II, III, IV		
General Surgery, including Minor Surgery, Military Surgery, Frac- tures and Anaesthesia		484	148
Roentgenology		36	14
Ophthalmology		60	18
Laryngology and Otology.....		56	28
Genito-Urinary Surgery		52	28
Orthopedics		57	24
		—745	—260

ORTHOPEDICS

CUSTIS LEE HALL, M. D.....	<i>Professor</i>
AURELIUS RIVES SHANDS, M. D.....	<i>Clinical Professor</i>
THOMAS MADDEN FOLEY, M. D.....	<i>Clinical Professor</i>

A course of lectures and recitations on the etiology, pathology, course, termination and treatment of congenital and acquired diseases of the bones and joints, with clinical instruction in the operations for the relief and correction of deformities, and the use of special apparatus and plaster of Paris.

RADIOGRAPHY

ARTHUR C. CHRISTIE, M. D.....	<i>Professor</i>
THOMAS A. GROOVER, M. D.....	<i>Associate Professor</i>
EDWIN A. MERRITT, M. D.....	<i>Associate</i>

A fully equipped X-ray laboratory is maintained in the University Hospital and Dispensary. Students of the third and fourth year classes are assigned in sections for instructions in the use of apparatus and the application of radiographs and fluoscopic examinations to diagnosis.

GENITO-URINARY DISEASES

FRANCIS RANDALL HAGNER, M. D.....	<i>Professor</i>
ADAM KEMBLE, M. D.....	<i>Associate</i>
HOMER GIFFORD FULLER, M. D.....	<i>Clinical Instructor</i>
CHARLES O. KNOTT, M. D.....	<i>Clinical Instructor</i>
HARRY PRICE, M. D.....	<i>Clinical Instructor</i>

A thorough course of instruction in genito-urinary diseases is given by lectures, recitations, section clinics, and bedside teaching.

MILITARY SURGERY

WILLIAM L. KELLER, M. D., Colonel, Med. Corps, U. S. A.....	<i>Professor</i>
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The treatment of gunshot wounds with special reference to civil and military practice is given in a course of lectures and demonstrations, fully illustrated by lantern slides, X-ray photographs, and actual specimens.

The use of the new armaments in recent wars and the characteristic features of the wounds caused by them, as well as the treatment of gunshot wounds in peace and war are dealt with.

OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M. D.....	<i>Professor</i>
DANIEL KERFOOT SHUTE, A. B., M. D.....	<i>Clinical Professor</i>
EDWARD GRANT SEIBERT, M. D.....	<i>Clinical Instructor</i>
EARL GRIFFITH BREEDING, A. B., M. S., M. D.....	<i>Clinical Instructor</i>
RALPH S. PENDEXTER, M. D.....	<i>Clinical Instructor</i>
CARROL E. FOLEY, M. D.....	<i>Clinical Instructor</i>

A course of lectures is given on the elementary principles of this subject, together with special instruction in the anatomy and physiological action of the more intricate parts of the eye. It is not intended to qualify the student as a specialist, but to give him a knowledge of what every general practitioner ought to know. The course is supplemented by clinical instruction in the University Dispensary and in the Episcopal Eye, Ear and Throat Hospital.

LARYNGOLOGY AND OTOTOLOGY

CHARLES WILLIAMSON RICHARDSON, M. D., Sc. D.....	<i>Professor</i>
OSCAR ADDISON MACK MCKIMMIE, M. D.....	<i>Clinical Professor</i>
EDWARD GRANT SEIBERT, M. D.....	<i>Instructor</i>
ALBERT PERKINS TIBBETS, A. B., M. D.....	<i>Clinical Instructor</i>
SAMUEL HARRISON GREENE, M. D.....	<i>Clinical Instructor</i>
SAMUEL BOYCE POLE, M. D.....	<i>Clinical Instructor</i>
EARL G. BREEDING, M. D.....	<i>Clinical Instructor</i>
FREDERICK C. SCHREIBER, M. D.....	<i>Clinical Instructor</i>
BOYCE R. BOLTON, M. D.....	<i>Clinical Instructor</i>
EUGENE A. TAYLOR, M. D.....	<i>Clinical Instructor</i>

The course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and the ear. Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

OBSTETRICS

HURON WILLIS LAWSON, S. M., M. D.....	<i>Professor</i>
WILLIAM SINCLAIR BOWEN, M. D.....	<i>Clinical Professor</i>
CYRUS W. CULVER, M. D.....	<i>Associate</i>
HOWARD FRANCIS KANE, A. B., M. D.....	<i>Associate</i>

The course in obstetrics comprises lectures, recitations, laboratory demonstrations and clinical instruction and extends over the third and fourth years. The lectures serve to outline the subject-matter and the recitations insure careful preparation on the part of the student. Special laboratory studies dealing with anatomy, embryology and pathology in relation to obstetrics are conducted in the different laboratories concerned. Models, manikins and cadavers are utilized in teaching the mechanism of labor and obstetrical operations. Clinical instruction is given to the classes in small sections at different hospitals and in the out-patient obstetrical service. Beginning about the middle of the third year each student is given practical instruction in making antepartum examinations and observes the management of labor cases. During the fourth year he conducts, under the supervision of a paid instructor, twelve labor cases in

the large and well-organized out-patient maternity service and submits written reports upon the cases attended.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Clinical	Didactic not to exceed
Obstetrics	III and IV	192*	64

GYNECOLOGY

JOHN WESLEY BOVÉE, M. D.....	<i>Professor</i>
ALBERT LIVINGSTON STAVELY, M. D.....	<i>Clinical Professor</i>
GIDEON BROWN MILLER, M. D.....	<i>Clinical Professor</i>
ELIJAH WHITE TITUS, M. D.....	<i>Associate</i>
VIRGIL B. JACKSON, M. D.....	<i>Clinical Instructor</i>
RICHARD L. SILVESTER, M. D.....	<i>Clinical Instructor</i>

Gynecology as taught in the third year comprises a course of lectures, text-book recitations and clinical instruction. In the fourth year individual students are assigned to cases in the wards of the University Hospital, and the class is taken in sections of one or two students each into the Gynecological Dispensaries for clinical instruction in examinations, diagnosis, and treatment. In larger sections the class attends amphitheater and ward clinics given by the Professor of Gynecology and his assistants.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Clinical	Didactic not to exceed
Gynecology	III and IV	120	45

ETHICS

The subject of ethics as given in the order of instruction will comprise didactic lectures on personal ethics in the first year and on medical ethics in the fourth year. Instruction will be given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession.

CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

University Hospital and the University Dispensary

The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical School, are entirely controlled by the Faculty of Medicine, and are used primarily in

* The total number of clinic hours cannot be given, as each student is required to attend twelve case, exclusive of the demonstration work and Ward and Dispensary Clinics above enumerated.

instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine.

Garfield Memorial Hospital

Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

Children's Hospital

Clinical instruction in pediatrics and general and orthopedic surgery.

Providence Hospital

Clinical instruction in medicine and surgery.

Emergency Hospital and Central Dispensary

Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

Columbia Hospital for Women

Clinical instruction in obstetrics and gynecology.

St. Elizabeth's Hospital

This hospital, with 4,000 beds, is maintained by the United States Government.

Clinical instruction in mental and nervous diseases, medicine, surgery, in post-mortem work and gross pathology.

The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital

Clinical instruction in ophthalmology, otology, laryngology and rhinology.

Casualty Hospital

Instruction in emergency surgery and orthopedics.

Tuberculosis Hospital

Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

Washington Asylum Hospital

Clinical instruction in medicine, particularly in chronic conditions.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of ten dollars will be charged for each subject.

A student who has failed in any subject shall not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee of the Faculty. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September examinations.

A student who fails of graduation, may if approved by the Advisory Committee, be re-examined for graduation in the September examinations.

A student allowed to take the September examinations either for graduation or advancement, will be required to take examinations in such subjects as the Advisory Committee may direct. For these examinations a fee of five dollars will be charged for each subject taken.

A student allowed to repeat a year will be required to take such subjects and such examinations as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Medicine must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as having graduated with distinction. If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

PRIZES

A prize from the Ordronaux Prize Endowment will be awarded to the student of the third, and the student of the fourth-year class who has the highest scholastic standing.

HOSPITAL APPOINTMENTS

Interns are annually appointed in the University Hospital. Appointments to similar positions are open to graduates and undergraduates of this school in the following other hospitals of the city: Garfield Memorial Hospital; Emergency Hospital; Columbia Hospital for Women; Casualty Hospital; Providence Hospital; Washington Asylum Hospital; Children's Hospital; Episcopal Eye, Ear and Throat Hospital; Sibley Hospital, and Walter Reed U. S. Army General Hospital.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by a group of alumni. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings, to advance medical science by the presentation of essays, case reports and specimens for instruction and discussion, at its meetings, and to further the interest of the university in general. All alumni and members of the faculty are eligible for membership on election.

Officers: Dr. C. L. HALL, *President*; Dr. HARRY CRAIG, *Vice-President*; Dr. B. R. BOLTON, *Secretary*; Dr. P. S. PUTZKI, *Treasurer*.

Meets at the Medical School building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this society so allowing them the valuable opportunity of hearing the papers presented on medical subjects and becoming familiar with the conduct of medical societies.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The central building of this Association is situated within a short distance of the Medical School.

On application through the Dean, students non-resident of the District may become members, with full privileges, including gymnasium, shower baths, swimming pools, lockers, etc., at a special rate of ten dollars for the period of the school session.

Further information regarding the Association may be obtained by application to the Secretary, 1736 G street N. W.

MEDICAL CORPS UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit (R. O. T. C.) is established in this school by authority of the Secretary of War and an Officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the unit is voluntary, is open to any physically fit, male student who is a citizen of the U. S. and such membership offers material advantages.

Any student who remains in the unit for the four years of his medical course receives in the last two years compensation from the Government fixed annually and amounting to between \$110 and \$150 per year.

The instruction in the unit is divided into two courses of two years each, and consists of one hour per week of instruction in medico-military science and tactics, additional to the regular hours of medical teaching.

The object of the course is to prepare men for a better appreciation of the obligations as well as the rights of citizenship and to give them basic training in medico-military subjects.

Students who satisfactorily complete the first two years may, if they elect, enter the advanced course of two years during which they receive pay, are obligated to complete the course and to attend one summer camp of instruction for six weeks to which the student will receive travel pay of five cents per mile and return to his home and during which he will have all camp requirements provided, including uniform only worn in camp, other necessary articles, medical attention if necessary, and pay at the rate of \$21 per month—really giving a most enjoyable outing with pay.

Students who successfully complete the course are upon graduation recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are eligible for and given preference in appointment to internships in Army General Hospitals.

While students are not in any way obligated to enter the unit, it is suggested that for the small obligation and time given, the instruction and pay received is well worthy of consideration.

MEDICAL SCHOOL FEES

Registration, payable on entrance	\$ 5.00
Registration, each subsequent year.....	2.00
Tuition each year.....	240.00
Material, first, second and third year each.....	10.00
Breakage deposit, unused part returnable.....	10.00
Graduation fee	10.00

On account of the large number of applications for admission, places can be reserved only for those qualified applicants who remit with the

matriculation fee, the incidental fees and two months' tuition—a total of \$85.00.

In case of illness or other unforeseen inability to attend, the tuition and incidental fees paid will be returned up to one month before the opening of the session, or thereafter if the place secured can be filled by another applicant.

There is no charge for use of microscopes but students will be required to pay for injury to microscopes, apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Persons not candidates for the degree of Doctor of Medicine who take courses in Histology, Embryology, Bacteriology, Pathology or Clinical Microscopy will be charged a fee of \$6.00 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6.00 for microscope rental.

Students who elect to take the regular four-year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No change in the courses undertaken at the time of registration will be made unless approved by the Dean.

Registration in the Medical School is for a period of one year at a time. Acceptance by the School of a student's registration fee does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee of the Faculty deems it advisable to do so.

Registration, other fees and deposits are due in full in advance. After the initial payment for two months to secure registration in the freshman class tuition may be paid in monthly instalments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Dean.

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A writ-

ten request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

Applicants are urged to secure from the schools and colleges attended, completely compiled, premedical credentials and forward them for evaluation as long a time as possible before the opening of the Medical School in September.

While no standard form of statement is required, blank forms for enumerating credentials will be supplied if requested.

For catalogues, application blanks, and further information, address

THE DEAN,

Medical School,

The George Washington University,

1335 H Street N. W., Washington, D. C.

THE NURSES' SCHOOL

The Medical Department of George Washington University maintains a Nurses' School in connection with the University Hospital. The connection of the Nurses' School with the University Hospital affords an opportunity for a thorough and practical experience in medical, surgical, gynecological, obstetrical, and emergency nursing, and the administration work incident to a hospital. The nurses' home, with a resident matron is located at 1016 13th Street, N. W., a short distance from the Hospital, and furnishes the nurses with excellent and adequate accommodation. The class rooms and laboratory equipment of the University Medical School, which adjoins the hospital, are used by the student nurses for class work. The course of training, including the probationary period, covers three years and comprises theoretical and practical instruction. While their education is regarded as compensation for the nurses' services, each nurse receives in addition to professional instruction, a home, board, laundry and medical care besides a salary of twelve dollars a month (including probationary period) and an additional one hundred and eight dollars (three dollars a month) paid at the expiration of the three years' course. Candidates for admission must apply personally or by letter to the Superintendent of Nurses upon blank forms provided therefor. For further information as to requirements for admission, applicants should write to the Superintendent of Nurses.

GEORGE WASHINGTON UNIVERSITY

SCHOOL OF PHARMACY

HOWARD LINCOLN HODGKINS, Ph.D., Sc.D.....*President of the University*

HENRY E. KALUSOWSKI, M.D., Phar.D.,
Dean of the School of Pharmacy, Professor of Pharmacy

OFFICERS OF THE NATIONAL COLLEGE OF PHARMACY

HOWARD LINCOLN HODGKINS, Ph.D., Sc.D.....*President of the University*

HENRY E. KALUSOWSKI, M.D., Phar.D.,
Dean and Chairman of the College

LEWIS FLEMER, Phar.D.....*Vice-Chairman of the College*

CHARLES B. CAMPBELL, Phar.D., M.D.....*Secretary of the College*

HERBERT C. EASTERDAY, Phar.D.....*Treasurer of the College*

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V. ALOIS BURGER

FLORENCE V. HOSKINS

HOMER K. BUTLER

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LEOPOLD H. FOSTER

CHARLES C. READ

EARLE K. RICHARDSON	F. A. TSCHIFFELY
FRANK R. RICHARDSON	ROBERT A. VEITCH
WILLARD S. RICHARDSON	S. M. WAGNER
FRANK ASHBY ROBEY	CHARLES S. WALTER
BERT H. SMYER	CONRAD H. WEISS
SAMUEL T. STOTT	FRANK P. WELLER
AUGUSTUS C. TAYLOR	EDWARD W. WHITESIDE
FRANK B. TIPTON	HARVEY W. WILEY (honorary)

PHARMACEUTICAL COURSE

Subject	Year
Pharmacy	First, second, third, and fourth year
Chemistry	First, second, third, and fourth year
English	One year
French } Elect one.....	One year
German }	
Spanish }	
Zoology	One year
Psychology and Logic.....	One year
Physics	One year
Botany	One year
Physiology	One year
Materia Medica.....	One year
Pharmacology	One year
Pharmacognosy	One year
Bacteriology	One year
Clinical Microscopy.....	One year
Public Health and Hygiene.....	One year
Mercantile Pharmacy.....	One year

ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study for the degree of Bachelor of Science in Pharmacy consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the fifty-second, begins September 26, 1923, and ends June 8, 1924.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

The minimum requirements for admission are fifteen units of secondary school work made up as follows:

SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

Subjects	Units* Required
Group I, English—	
Literature and composition.....	3-4 3

* A unit is the credit value of at least thirty-six week's work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

<i>Subjects</i>	<i>Units Required</i>	
Group II, Foreign Languages—		
Latin	1-4	2*
Greek	1-3	
French or German.....	1-4	
Other foreign languages.....	1-4	
Group III, Mathematics—		
Elementary algebra.....	1	1
Advanced algebra.....	½-1	1
Plane geometry.....	1	
Solid geometry.....	½	
Trigonometry	½	
Group IV, History—		
Ancient history.....	½-1	1
Medieval and modern history.....	½-1	
English history.....	½-1	
American history.....	½-1	
Civil government.....	½-1	
Group V, Science—		
Botany	½-1	
Zoology	½-1	
Chemistry	1	
Physics	1	
Physiography	¼-1	
Physiology	½-1	
Astronomy	½	
Geology	½-1	
Group VI, Miscellaneous—		
Agriculture	1-2	
Bookkeeping	½-1	
Business law	½-1	
Commercial geography	½-1	
Domestic science	1-2	
Drawing, freehand and mechanical.....	½-2	
Economics and economic history.....	½-1	
Manual training	1-2	
Music: Appreciation and harmony.....	1-2	

AIM OF THE COURSE

All work offered in the School of Pharmacy meets the highest requirements of pharmaceutical instruction. Its aim is to train pharmacists so as to enable them to intelligently and efficiently perform any work that may be required from a pharmacist with scientific training. The equipment, methods of instruction and courses are arranged to attain the object of its aim, the close association of the College of Pharmacy with the George Washington University by which students in pharmacy share all the advantages and enjoy the spirit of a great educational establish-

* Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the languages specified.

ment is in itself an incentive to prepare themselves to meet the requirements of the trend of pharmaceutical education.

Instruction is given during the day.

The degree of Bachelor of Science in Pharmacy will be conferred on students who have attended the required course of instruction and pass satisfactory examinations in the same.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of \$5 will be charged for each subject.

To be *advanced*, a student must not fail in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

Students who fail in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Bachelor of Science in Pharmacy must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four session of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire the degree of Bachelor of Science in Pharmacy must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

MEMBER OF AMERICAN CONFERENCE OF PHARMACEUTICAL FACULTIES

The School of Pharmacy holds membership in the American Conference of Pharmaceutical Faculties. The object of the conference is to promote the interests of pharmaceutical education in all institutions holding membership in the same and to maintain standard requirements for entrance and graduation.

METHOD OF TEACHING

The method of teaching in use, namely the laboratory method, is admittedly the best method of instruction. Besides lectures and recitations, the subjects themselves are studied, books being used as an aid and not as an end in themselves. The faculty is composed of men who are specialists in their respective lines and consequently are enabled to give the student the benefit of their experience.

RECITATION CLASSES

Recitation classes are held in connection with each course in order to provide systematic drill in the subjects under competent instructors. These classes have been found to be one of the most effective auxiliaries to study, as part of a well-planned system of reviewing the subjects taught. They are intended to give the student an additional opportunity for testing his progress throughout the year, and for fixing firmly in mind the facts acquired from the lectures and laboratory work. Students in Pharmacy have the advantage of instruction in all departments of the University: Arts and Sciences, the Medical School and the School of Pharmacy.

TENTATIVE SCHEDULE OF CLASSES

FRESHMAN YEAR

Monday and Wednesday.....	9:00 to 1:00
Pharmacy	
Tuesday, Thursday and Saturday	
Botany	9:15 to 10:15
English	10:15 to 11:15
Chemistry	12:00 to 1:00
Tuesday and Thursday	
Commercial Law	11:15 to 12:15
Chemistry 2	1:15 to 4:15
Monday, Wednesday and Friday	
Physics 3A	1:45 to 2:45

SOPHOMORE YEAR

Tuesday and Thursday	
Pharmacy	9:00 to 12:00
Monday, Wednesday and Friday	
Languages	9:15 to 10:15
Psychology }	10:15 to 11:15
Logic }	
Tuesday and Thursday	
Physics 4	10:15 to 12:15
Chemistry 7	1:15 to 4:15
Thursday, Friday and Saturday	
Physiology	1:00 to 2:00
Monday and Wednesday	
Hygiene	1:00 to 2:00

JUNIOR YEAR

Monday	
Pharmacy	1:00 to 6:00
Monday, Tuesday, Wednesday and Thursday	
Bacteriology	9:00 to 12:00
Monday, Wednesday and Friday	
Chemistry 21	1:00 to 5:00
Tuesday and Thursday	
Chemistry 8	1:15 to 4:15
Saturday	
Clinical Microscopy	9:00 to 12:00

SENIOR YEAR

<i>First Semester—</i>	
Monday	
Pharmacy	1:00 to 6:00
Friday and Saturday	
Pharmacology and Materia Medica.....	9:00 to 12:00
<i>Second Semester—</i>	
Monday	
Pharmacy	1:00 to 6:00
Tuesday and Thursday	
Pharmacology and Materia Medica.....	2:00 to 5:00
Friday and Saturday	
Pharmacology and Materia Medica.....	9:00 to 12:00
Pharmacognosy hours to be arranged with instructor.	

DESCRIPTION OF COURSES

PHARMACY

HENRY E. KALUSOWSKI, M.D., Phar.D.

Dean of the School of Pharmacy, Professor of Pharmacy

FRESHMAN YEAR

In the course in the theory and practice of pharmacy the aim is to teach the underlying principles and rationals of the operations of manufacturing pharmacy. The course is essentially one of pharmaceutical physics, in which the applications of general physical laws to pharmacy are pointed out, and the methods in general use are described. The various operations of manufacturing are described and illustrated by models, diagrams, apparatus, etc., and instruction is given in the reasons for the operations and for the methods employed.

A history of the leading Pharmacopœias of the world, and particularly of the U. S. Pharmacopœia, serves as an introduction to the synthetic study of the latter, in which are considered its legal status, character, purpose, and contents.

The following outline shows the general character of the course:

A consideration of weights and measures, the various systems in use and their relations to each other, the construction, choice, and care of a balance, instruments of measure, and methods of testing and verifying them, specific gravity and its use, and specific volume.

Heat, its nature, source, and properties, methods of regulating and controlling it for various purposes; the construction and use of steam apparatus, baths, etc.; the various forms of thermometers, and their care and relationships to each other.

Evaporation and distillation, with full method and demonstration of the various methods of conducting these operations and the choice of apparatus therefor.

Drug grinding and milling, the selection and use of mortars, and sundry methods of powdering and sifting the different kinds of drugs and chemicals.

Solutions, its laws and phenomena accompanying it, the methods of making and adjusting solutions, and the influence of solution in compounding and manufacturing.

Crystallization, the properties of crystalline substances, their storage, changeableness, and methods of restoration.

Filtration and the methods of clarifying or decolorizing liquids, the use of funnels and filtering agents, the separation of sediments and immiscible liquids, and the various apparatuses for filtration.

Maceration and its applications, and economical methods of conducting it.

Percolation, its history, development and applications, various forms of percolators and their choice, repercolation, and fractional percolation.

The student is brought in contact with a wide range of manipulations, such as the making of medicated waters, syrups, solution, tinctures, extracts, fluid extracts, infusions, and decoctions, and the handling of weights and measures.

SOPHOMORE YEAR

The sophomore course is designed to fit the student for quick and accurate judgment regarding incompatibilities and working out pharmaceutical formulas. The pharmacopœia is studied in detail, the drugs,

chemicals and preparations being grouped according to characteristics, non-official bodies of like nature being included. Attention is paid to commercial qualities, solubilities, preparation, preservation, storage, and uses of each article.

The laboratory work gives practice on the more difficult operations of manufacturing pharmacy.

Sterilization of solutions, filling and sealing of ampules and the manufacture of compressed tablets are also included in the course.

A great part of the time in the laboratory is devoted to the compounding of typical prescriptions, of which a large number are used for illustrating the methods of overcoming incompatibilities and of making the most presentable and effective compounds. The work has been arranged to meet the wants of young students without store experience, and also for those who have been so situated that the experience has been limited.

JUNIOR YEAR

This course consists of lectures and recitations on the theory of organic chemistry and its pharmaceutical applications, and laboratory work on the qualitative analysis of organic substances, including the examination of official compounds and preparations for identity and purity, the assay of volatile oils, the separation and identification of the important alkaloids, and a variety of other exercises.

SENIOR YEAR

This course consisting of didactic lecture and analytic methods for saponification values, iodine numbers, melting points, congealing points, quantitative assaying of drugs for alkaloids, assaying volatile oils.

The assays made in this course are on the more important drugs and preparation.

The course not only gives direct and varied training in quantitative analysis of pharmaceutical preparations, but also, by its requirement of close attention to details and by its practice on the manipulation of the delicate apparatus, it induces correct habit of work, which are invaluable in manufacturing and dispensing pharmacy.

PHARMACOGNOSY

ROBERT F. GRIGGS, Ph.D.
Professor of Botany

The preliminary work of this course will consist of a brief review of the cellular elements and cell structure in the parts of the plants used as drugs or foods. In this manner the work in vegetable histology of the first year is coordinated to the more detailed study of microscopical pharmacognosy.

Drugs and powders prepared from them representing different parts of the plants will be used as material for study.

The number of specimens studied is necessarily limited by the amount of time which can be given to the work, but the subject matter of the course is so arranged that the representative rather than extraordinary types are considered. The student is expected to construct keys in the identification of powdered materials examined, and to keep a record of his observations by drawings made from his specimens.

The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare the vaccine, and in groups prepare agglutinating hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of the dark ground illumination, and are taught to make microscopic measurements.

The following subjects are offered by the Department of Arts and Sciences.

CHEMISTRY

General Chemistry: This course consists of illustrated lectures on the elements and practical laboratory work supplementing the lectures. The lectures include the fundamental principles of chemistry, definitions of elements, atoms, molecules, acids, salts, explanations of the ionic theory, chemical and physical laws. Every student who pays proper attention will obtain a solid foundation of knowledge which will enable him to understand the more advanced work of chemistry.

The elements studied include: Oxygen, hydrogen, nitrogen, chlorine, bromine, iodine, fluorine, sulphur, phosphorous, carbon, silicon, boron, lithium, barium, strontium, calcium, magnesium, aluminum, zinc, cadmium, lead, copper, mercury, iron, cobalt, nickel, manganese, chromium, tin, bismuth, gold, silver, and platinum.

The study of the element is followed by the consideration of its compounds.

Problems in chemistry are suggested for solution by the students, and much practice is required on the writing of chemical equations.

The student may thus lay the foundation of a practical knowledge of chemistry, which, when increased by the work of following years of the course, will prepare him for active work with pharmaceutical processes based on chemical principles.

Several elements and a large number of compounds are prepared in the laboratory and many experiments illustrating the properties of both elements and compounds are performed.

This laboratory practice is of special importance since it gives the student an opportunity to perform a large number of chemical experiments having a direct bearing on the lectures.

By these investigations of chemical phenomena the student has an opportunity to develop self reliance and acquire accurate habits of observation.

The laboratory work is intended to teach the student to observe and to distinguish essential from non-essential phenomena.

Qualitative Analysis: A brief course intended primarily for students in engineering and pharmacy. Two three-hour periods.

Elementary Organic Chemistry: A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week.

Quantative Analysis: A laboratory course in the quantative estimation of the constituents of the specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantative chemical analysis and for imparting facility in manipulation. This course includes the care of the analytical balance, metric weights, and measures, the preparation and use of normal and empirical solutions, the calculation of results from analytical data. For three hour periods.

Foreign Languages: Instruction is offered in the following modern languages: French, Spanish and German.

English: English Rhetoric. A study of the principles of self-expression through language with practice in composition.

Physics: General Physics. A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations.

Laboratory Physics: Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurements.

Botany: This course aims to present in an orderly fashion such a knowledge of the vegetable kingdom as every one needs to enable him to understand plants, their mode of life and the uses to which they are put. A study of the living plant as a working mechanism is followed by a brief survey of the different kinds of plants and practice in naming the common plants. The bearing of Botany on materia medica is made prominent by introducing lists of official flowers, seeds, etc., in their appropriate places, and by directing particular attention to such points of plant structure and function as are necessary for a proper understanding of drugs.

Commercial Law: A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of admiralty law.

Zoology: A lecture and laboratory course covering the invertebrates, and vertebrates, cell and cell theory, unicellular organisms, cell multiplication, multicellular animals, the difference between animals and plants, mechanics of the living machine, theory of evolution, etc., classification and distribution.

Psychology: 1. General Psychology: An introductory study of general psychology carried on by means of textbook assignments, classroom discussions, lectures, and demonstrations.

2. Logic: A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure and organization of knowledge.

The following courses are given in the Medical School:

HYGIENE

The course in hygiene covers the basic principles and their practical application. Consideration is given also to domestic and municipal sanitation and to the principles underlying legislative control of public health.

PHYSIOLOGY

The course in physiology is given in the physiological department in the medical school and consists of lectures, quizzes and demonstrations of physiological principles on living animals. A written and oral exami-

nation is held at the end of each term. The principles of special importance to the pharmacist are emphasized. The course embraces the following subjects: Circulation, respiration, digestion, absorption, metabolism, animal heat, muscle, nerve, central nervous system, senses, reproduction.

MATERIA MEDICA

In these lectures the official names, synonyms, origin, history, habitat, constituents, actions, uses and doses of drugs, and official preparations, and the medical actions of these will be noted, so far as is necessary for an intelligent conception of these subjects. Incidentally much valuable information will be given upon the subject of geographical materia medica. Special attention will be devoted to the toxicological symptoms and antidotal treatment of the actively poisonous drugs.

PHARMACOLOGY

The work in this course occupies nine hours a week during the first trimester. The chemical and physical characteristics of the more important drugs are studied and then pharmacopœial preparations of the different pharmaceutical classes are considered. The study of the physical and chemical incompatibilities is carried on in close association with the above work. The course comprises lectures, laboratory work, conferences and written reviews, which follows the work, and continues through the remainder of the year.

CLINICAL MICROSCOPY

In the course in clinical microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in different leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty formal lectures in which the entire field of bacteriology, including immunology in its application to human medicine and welfare, is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare the vaccine, and in groups pre-

pare agglutinating hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of the dark ground illumination, and are taught to make microscopic measurements.

TEXTBOOKS

The following textbooks are used in the course in Pharmacy: U. S. Pharmacopœia; Practice of Pharmacy, Remington; Treatise on Pharmacy, Caspari.

STUDENT ACTIVITIES

Student activities in the University are carried on under the direction of a Board of Managers, acting under resolutions adopted by the Board of Trustees. Student Activities, including athletics, debating, and the various student publications, are supported by a voluntary tax to which all students in the University are invited to subscribe. This tax not only admits the subscriber to athletic contests and entitles him to copies of the publications, but also provides for free medical attention and hospital service under certain conditions. This tax is payable like other University fees, at the office of the Treasurer of the University.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance.....	\$5
Registration fee, each subsequent year.....	2
Reinstatement fee	2
Tuition each year.....	180
Graduation fee	10
Material fee and breakage for Chemistry.....	10
Material fee for Physics.....	10
Materials and Microscope for Zoology.....	10
Materials and breakage for Pharmacy.....	10

This includes all laboratory fees and charges for material used in Chemistry and practical Pharmacy. Students will, however, be required to pay all charges for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata; any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Bachelor of Science in Pharmacy who take courses in Bacteriology or Clinical Microscopy will be charged a fee of \$6 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Pharmacy School is

for a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Treasurer.

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

For catalogues, application blanks, and further information, address

THE DEAN,
School of Pharmacy,
George Washington University,
808 Eye Street N. W., Washington, D. C.

LAW SCHOOL

FACULTY

HOWARD LINCOLN HODGKINS, Ph.D., Sc. D.	.....	<i>President of the University</i>
WILLIAM MATHER LEWIS, A.M.	.....	<i>President-elect</i>
* MERTON LEROY FERSON, A.M., LL.B.	.....	<i>Dean and Professor of Law</i>
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D.,		
		<i>Acting Dean and Professor of Law</i>
WALTER COLLINS CLEPHANE, LL.M.	.....	<i>Professor of Law</i>
EDWIN CHARLES BRANDENBURG, LL.M.	.....	<i>Professor of Law</i>
ARTHUR PETER, LL.B.	.....	<i>Professor of Law</i>
JOHN PAUL EARNEST, A.M., LL.M.	.....	<i>Professor of Law</i>
JOHN WILMER LATIMER, LL.B.	.....	<i>Professor of Law</i>
WENDELL PHILLIPPS STAFFORD, A.M., LL.D., Litt.D.	.....	<i>Professor of Law</i>
CHARLES SAGER COLLIER, A.B., LL.B.	.....	<i>Professor of Law</i>
HENRY WHITE EDGERTON, A.B., LL.B.	.....	<i>Professor of Law</i>
* HECTOR GALLOWAY SPAULDING, A.B., LL.B.	.....	<i>Professor of Law</i>
CLARENCE MILTON UPDEGRAFF, A.B., LL.B.	.....	<i>Professor of Law</i>
ALVIN ELEAZAR EVANS, Ph.D., J.D.	.....	<i>Professor of Law</i>
LOYD HALL SUTTON, S.B., LL.B.	.....	<i>Associate Professor of Law</i>
JOHN MONTEITH MCFALL, A.M., LL.B.	.....	<i>Assistant Professor of Law</i>
THOMAS CLAFFEY LAVERY, A.B., LL.B.	.....	<i>Assistant Professor of Law</i>
LEVI RUSSELL ALDEN, A.M., LL.B.	.....	<i>Lecturer in Law</i>
GILBERT LEWIS HALL, A.B., LL.B.	.....	<i>Lecturer in Law</i>
FRANK SEYMOUR SMITH, A.B., LL.M.	.....	<i>Lecturer in Law</i>
SPENCER GORDON, A.B., LL.B.	.....	<i>Lecturer in Law</i>
JOHN WILLIAM TOWNSEND, LL.M.	.....	<i>Lecturer in Law</i>
FREDERICK S. DUNN, A.B., LL.B.	.....	<i>Lecturer in Law</i>
FRED C. O'CONNELL, LL.M.	.....	<i>Clerk of the Moot Court</i>
JOSEPH ABNER JORDAN	.....	<i>Secretary</i>

MOOT COURT OF APPEALS

STANTON JUDKINS PEELLE, LL.B.	.....	<i>Chief Justice</i>
JOSIAH A. VAN ORSDER, A.B., LL.D.	.....	<i>Associate Justice</i>
BRAINARD WARNER PARKER, LL.B.	.....	<i>Associate Justice</i>

LIBRARY

EMANUEL MAURICE DAVIDOVE, LL.B.	.....	<i>Librarian</i>
BLAKE E. NICHOLSON	.....	<i>Assistant Librarian</i>
HELEN C. NEWMAN	.....	<i>Assistant Librarian</i>

* On leave of absence, 1923-24.

GENERAL STATEMENT

History.—The Law School, established in 1865, is the oldest in the city of Washington. Its course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A year of graduate work was added in 1877 leading to the degree of Master of Laws. The curriculum has since been increased by a course of study leading to the degree of Master of Patent Law.

Member of Association of American Law Schools.—The Law School was one of the group of law schools which in 1900 organized the Association of American Law Schools and it has remained a member of the Association since that time. This Association includes fifty-three of the most progressive law schools of the country and is committed to the policy of advancement in legal education. As this school maintains the standards of the Association, work certified by it is given a maximum of credit by other law schools of the country. This enables students who are unable to complete their studies in Washington to continue them at other institutions with a minimum loss of time and work.

Purpose of Course.—The School aims to give a thorough legal training to students whose education and maturity fit them to pursue serious professional study. The average age of the students is over twenty-five years. A preliminary course in liberal arts is required and the University permits the first year of law work to be counted as the fourth year of college work for the degree of Bachelor of Arts, thus enabling students to obtain both the academic and professional degrees in six years. (See *Degrees.*)

Method of Instruction.—The method of instruction followed is designed to instill correct modes of legal study, to train the mind in legal reasoning, and to give a thorough grasp of fundamental legal principles. The student studies leading cases—the earlier cases which establish a principle, the later cases which show its qualifications. This study is supplemented by class-room discussion and instruction. Thus while the student is being trained to analyze and to discriminate, he at the same time masters the principles of law, sees the reasons on which they are based, and observes the influence on their development of successive political, economic, and social theories. The method is most practical. The student has always before him actual problems and their solution by the ablest judges of England and America. He begins under his teacher's guidance the work he must do when he enters practice. In no other way can the future lawyer acquire such power to solve the new problems arising from the rapidly changing social and economic conditions of life.

"The only way to clarify and simplify our law as a whole is to reach the lawyer in the making and mold his habits of thought by adequate instruction and training so that when he comes to the Bar he will have learned to think not merely in terms of law but in terms of jurisprudence.

The living principle of the case system of instruction in our law schools is that the student is required by a truly scientific method of induction to extract the principle from the decision and continually to state and restate for himself a system of law evolved from its history. He is thus preparing not merely to accept formally dogmatic statements of principles but to receive and assimilate and make his own the systematic thought and learning of the world in the science of jurisprudence. With a Bar subjected generally to that process of instruction, the more general systematic study of jurisprudence would follow naturally and inevitably, and the influence of that study would be universal; and from that condition would evolve naturally the systematic restatement of our law, by men equal to that great work." *

This inductive case system is the antithesis of the lecture and illustrative case method which is often mistaken for it. The case method is now used in over ninety per cent of the schools in the Association of American Law Schools.

The substantive law is taught almost wholly by professional teachers employing the case method and giving all their time to the school; the practice courses are conducted by lawyers in active practice and by judges.

Scope of Course.—The course of study is not local in its scope but constitutes a thorough preparation for the practice of law in any English speaking jurisdiction. It satisfies the professional study required for admission to the Bar examinations of the District of Columbia and all other jurisdictions of the United States. The school has conferred over 3,300 degrees, and its graduates are now practicing in every state of the Union, and in foreign countries.

ADVANTAGES OF WASHINGTON FOR THE STUDY OF LAW

The city of Washington has unusual attractions for students and particularly for students of law. It lies between the North and the South. It is a residential city of rare beauty, and its population is drawn from all over the United States. The library facilities of the city, both general and legal, are unexcelled. It is unique in the extent of its legal machinery. It is the seat of Congress, the Supreme Court of the United States, the Department of Justice, the United States Court of Claims, the United States Court of Customs Appeals, and of the District of Columbia Court of Appeals, Supreme Court, and Municipal Court, which exercise the dual function of state and federal courts. The various Executive Departments, including the Federal Trade Commission, the Interstate Commerce Commission, the Internal Revenue Bureau and other legal bureaus of the Federal Government, are also located in Washington.

*From the address of Hon. Elihu Root, President of the American Bar Association, August, 1916.

LOCATION

The Law School occupies its own building at 1435 K Street, N. W., and is easily accessible from all parts of the city. The building, which was formerly occupied by the Department of Justice, was purchased in 1920 and remodeled to fit the needs of the Law School. It has nine class rooms with a seating capacity of about 1,100 students, seven professors' offices besides the business office, a large, well-lighted library, and two rest rooms. Four class rooms are arranged and furnished as moot courts.

LIBRARY

A working library comprising more than 10,000 volumes is open to students from 9 a. m. to 11 p. m. during week days, and 2 to 6 p. m. Sundays.

The library contains the complete decisions of the highest courts of all the states and the District of Columbia, the complete reports of the United States Supreme Court and the other federal courts, the complete National Reporter System, the Century, Decennial, Key number and United States Supreme Court Digests, various encyclopedias of law, the Lawyers Reports Annotated, the American Decisions, American Reports, American State Reports, and American Law Reports, the English Common Law and Chancery Reports, the English Reprint, the English Law Reports and Law Journal Reports since 1865, and about 600 standard text books and legal periodicals.

In addition to these facilities the students have free access to the Congressional Library, U. S. Supreme Court Library, and other public libraries.

ACADEMIC YEAR AND REGISTRATION

The academic year 1923-24 begins Wednesday, September 26, and closes Wednesday, June 5. The year is divided into two half-years, the second beginning January 28. The course is so arranged that a student may enter the second half-year and be graduated three years from that time, receiving his degree at the Winter Convocation held on or about February 22 of each year.

Students are urged to register at the beginning of the half-year. Those who register later than three weeks after the opening of the half-year will be restricted to registration for such work only as in the opinion of the faculty they can successfully carry.

HOURS OF INSTRUCTION

The hours of instruction are 7:50-8:40 a. m., 9:00-10:50 a. m., and 5:10-6:50 p. m. A student can, if he so desires, confine his work either to the forenoon or to the afternoon and graduate in three years. Students who desire, or are compelled by circumstances, to support themselves by employment in the Government Service or elsewhere, or who desire to

obtain practical experience in an attorney's office in addition to their work in law school, will find this arrangement of hours especially desirable. Such students may complete the full course for the degree, confining their attendance entirely from 5:10-6:50 p. m. or attending partly from 7:50-8:40 a. m. and partly from 5:10-6:50 p. m. Subjects offered from 7:50-8:40 a. m. are elective courses open to second and third year students.

ADMISSION

Both men and women are admitted to the Law School on the same terms.

I. *For the Degree of Bachelor of Laws.*—The requirements for admission to the course leading to the degree of Bachelor of Laws may be satisfied in either of the following ways:

a. By presenting a diploma or filing a certificate from an approved College or University showing the successful completion therein of at least two years of work.

b. Prior to September 1, 1925, by filing a certificate from an approved College or University showing the successful completion therein of at least one year of work.

c. Until September 1, 1923, the requirements for admission may be satisfied by the presentation of certificates from a college or university, or from an approved high school or preparatory school, showing the successful completion of at least fifteen high school units, which are broadly equivalent to a four-year high school course. A unit represents approximately one year of study of a major subject in a high school. Applicants qualifying for admission under this requirement must be at least eighteen years of age. Those presenting high school credits only should have them certified on the blank forms they may obtain from the Secretary of the Law School.

II. *For the Degree of Master of Laws or Master of Patent Law.*—Candidates for these degrees must be at least twenty-one years of age and hold the degree of Bachelor of Laws from an institution substantially complying with the requirements of the Association of American Law Schools.

III. *As Special Students.*—Persons who can not qualify as candidates for a degree but are over twenty-one years of age and have had such educational training and practical experience as should enable them to pursue satisfactorily the study of law, may be admitted as special students by consent of the Dean.

ADVANCED STANDING

Students from other law schools which substantially comply with the requirements of the Association of American Law Schools may receive equivalent credit, not exceeding two years' work. Such students must have been qualified to enter this school when they began the study of law.

The right is reserved to refuse such credit, in whole or part, save conditionally or after examination, and credit given may be withdrawn for subsequent poor work.

Applicants of whom examination may be required, can take the regular examinations or those held at the beginning of each academic year. (See *Examinations.*)

No credit will be given for studies pursued in a college or high school before entering on the regular study of law, or for law studies pursued in a law office or through a correspondence course.

SUBJECTS OF INSTRUCTION

The course of instruction extends through a period of at least three academic years. For the degree of Bachelor of Laws twelve hours class work a week are necessary to complete the course in three years. Ten hours a week for a year in subjects not counted towards the Bachelor's degree are required for the degree of Master of Laws or Master of Patent Law. (See *Degrees.*)

The subjects marked with an asterisk are prescribed for the degree of Bachelor of Laws. The student may elect the remainder of his subjects. Third-year students may elect subjects of the second year not previously studied. The selection of the subjects must be made in all cases within ten days after the beginning of the half-year.

Students devoting their whole time to the study of law may, with the permission of the Dean, take work not exceeding fifteen hours a week. A student who takes a majority of his courses in an afternoon section or has substantial employment in addition to his law study shall not be permitted to register for more than ten hours of work in the Law School until after he shall have completed and been graded on at least ten semester hours and shall have attained an average of B or more on all work completed. The privilege of a student who takes a majority of his courses in the afternoon or who has substantial outside employment to take more than ten hours of work shall cease at any time such student's average falls below B. This rule shall be effective as to students who enter after September 1, 1923.

FIRST YEAR SUBJECTS

(The schedule of classes for the academic year 1923-24 will not be ready for distribution until after September 1, 1923. The following is a list of subjects offered during 1922-23, and is not an announcement of courses for 1923-24, although few changes are anticipated. Text books and instructors may be changed in some instances.)

* **CIVIL PROCEDURE.** *Two hours a week for one-half year.* The steps in a law suit; venue; process; appearance; form of action at Common Law and under modern code and practice acts; trial; judgments. *Scott's Cases on Civil Procedure.* MR. EVANS.

*Prescribed Subjects.

* **CONTRACTS.** *Three hours a week throughout year.* Simple contracts: offer, duration and termination thereof, acceptance, consideration; contracts under seal, including thereunder formalities of execution, delivery and consideration; parties affected by contracts: beneficiaries, assignees, joint obligors and obligees; performance of contracts: express and implied conditions, impossibility. *Williston's Cases on Contracts.* DEAN FERSON and MR. TOWNSEND.

CRIMINAL LAW AND PROCEDURE. *Three hours a week for one half-year.* Sources of the criminal law; intent and act; attempts; insanity as a defense; historical development of crimes and statutory changes. The arrest; bail; the grand jury; the indictment; trial; pleas; modification of early practice, and statutory changes. *Mikell's Cases on Criminal Law and Procedure.* MR. EARNEST.

* **PERSONAL PROPERTY.** *Three hours a week for one half-year.* Distinction between personal and real property; nature of and rights based upon possession; some methods of acquiring title to chattels; liens and pledges; conversion. *Warren's Cases on Property.* MR. UPDEGRAFF.

PRINCIPLES OF LEGAL LIABILITY. *Two hours a week for one half-year.* Nature of an act; causation of injury; proximity or remoteness of injury as affecting tort or criminal liability of the actor; effect of interposition of other causes including natural forces and acts of animals and human beings; excuses for acts causing injury including duty, public authority, defense of person and property and consent of injured person. *Beale's Cases on Legal Liability.* MR. EDGERTON and MR. SPAULDING.

* **REAL PROPERTY I.** *Three hours a week for one half-year.* Fixtures; the feudal system; estates; non-possessory interests in land; joint ownership; disseisin; uses and trusts; rights incident to possession; profits; licenses; easements; covenants running with the land; rents; waste; public rights. *Warren's Cases on Real Property.* MR. UPDEGRAFF.

* **TORTS.** *Two hours a week first half, three hours second half-year.* Negligence; duty of care of occupant of land toward those coming on it; trespass to the person, to real and personal property; contributory negligence; liability for fire or explosives; liability of owner of animals; deceit; libel and slander; malicious prosecution; unfair competition. *Pound's Cases on Torts.* MR. COLLIER.

SECOND YEAR SUBJECTS

(The schedule of classes for the academic year 1923-24 will not be ready for distribution until after September 1, 1923. The following is a list of subjects offered during 1922-23, and is not an announcement of courses for 1923-24, although few changes are anticipated. Text books and instructors may be changed in some instances.)

AGENCY. *Two hours a week throughout year.* Requisites for creation of the agency relation; power of the agent to subject the principal to

*Prescribed Subjects.

tort; contract liability to third persons; responsibility of the agent to third persons; liabilities in case of undisclosed principal; duties of principal and agent inter se; delegation of powers by the agent; ratification; termination of agency. *Wambaugh's Cases on Agency*. MR. LAVERY.

*BILLS AND NOTES. *Three hours a week for one half-year*. Form and essential requisites of negotiable instruments; delivery; indorsement; liability of maker, acceptor, drawer, indorser, and of person transferring by delivery. *Colson's Huffcutt's Cases on Negotiable Instruments*. MR. EVANS.

*COMMON LAW PLEADING. *Two hours a week for one half-year*. The declaration, necessary allegations, separate counts, joinder of causes; pleas, the common traverse, the special traverse, the general issues, confession and avoidance, estoppel, abatement; replications, amendment, aider and replender. *Tyler's Stephen on Pleading, Perry on Common Law Pleading*. MR. CLEPHANE and MR. SMITH.

DAMAGES. *Two hours a week for one half-year*. Exemplary; liquidated; nominal; direct; consequential; avoidable; counsel fees; certainty; compensation; physical and mental suffering; aggravation and mitigation; value; interest; special rules in certain tort and contract actions. *Beale's Cases on Damages*. MR. LAVERY.

DOMESTIC RELATIONS. *Two hours a week for one half-year*. Marriage, divorce and separation; personal and property rights and liabilities of husband and wife; parent and child; infancy. *Woodruff's Cases on Persons*. MR. EVANS.

*EQUITY. *Two hours a week throughout the year*. Rules regulating specific performance of contracts including the doctrine of equitable conversion, and the more important defenses to a specific performance such as the statute of frauds, fraud, hardship, misrepresentation and concealment. *Ames' Cases on Equity Jurisdiction, Volume I*. MR. SPAULDING.

EQUITY III. *Two hours a week for one half-year*. Bills of interpleader; bills of peace; bills Quia Timet; cloud on title; reformation and rescission; mistake of law and mistake of fact. *Ames' Cases on Equity Jurisdiction, Volume II*. JUSTICE STAFFORD.

*EQUITY PLEADING AND PRACTICE. *One hour a week for one half-year*. Parties; process; bills; demurrers; answers; pleas; disclaimers; cross-bills; replications; amendments; practice; injunctions; receivers. *Jones on Equity Pleading and Practice*. MR. CLEPHANE and MR. SMITH.

*EVIDENCE. *Three hours a week for one half-year*. Judicial notice; burden of proof and presumptions; admissions and confessions; character; opinion evidence; the hearsay rule and its exceptions; the privileges and disqualifications of witnesses; the examination of witnesses; writ-

*Prescribed Subjects.

ings. *McKelvey on Evidence, Hinton's Cases on Evidence.* MR. PETER and MR. LAVERY.

INSURANCE. *Two hours a week for one half-year.* Marine, fire and life insurance; validity of the policy as affected by insurable interest; concealment; representation; warranty and other matters; rights of the insured and of the insurer under the policy; rights of assignees and beneficiaries. *Wambaugh's Cases on Insurance.* MR. MCFALL.

QUASI-CONTRACTS. *Two hours a week for one half-year.* Obligations imposed by law which are enforceable by action of assumpsit. *Thurston's Cases on Quasi-Contracts.* MR. EDGERTON.

* REAL PROPERTY II. *Two hours a week throughout year.* Titles to real estate; possession; seisin and disseisin; adverse possession; prescription; accretion; modes of conveyance; execution of deeds; the property conveyed; easements by implication; covenants for title; estoppel by deed; priorities and recording. *Warren's Cases and Gray's Cases on Real Property (2d. ed.), Vol. III.* MR. UPDEGRAFF.

SALES. *Three hours a week for one half-year.* Subject matter of a sale of personal property; the passing of title as affected by the goods being specified or unspecified, the contract being executed or executory, the use of documents of title, and shipments c. o. d.; effect of fraud and of retention of possession; rights and remedies of the seller; rights and remedies of the buyer. *Williston's Cases on Sales (3d ed.)* MR. LAVERY.

THIRD YEAR SUBJECTS

(The schedule of classes for the academic year 1923-24 will not be ready for distribution until after September 1, 1923. The following is a list of subjects offered during 1922-23, and is not an announcement of courses for 1923-24, although few changes are anticipated. Text books and instructors may be changed in some instances.)

ADMIRALTY. *Two hours a week for one half-year.* Jurisdiction; admiralty liens; salvage; general average; charter parties and contracts of affreightment; marine insurance; The Harter Act; The Limited Liability Act; marine documents; procedure in admiralty. *Ames' Cases on Admiralty Jurisdiction,* and assigned readings. MR. ALDEN.

MUNICIPAL CORPORATIONS. *Two hours a week for one half-year.* Nature, organization and functions of municipal corporations such as cities and towns; their creation, control, alteration and dissolution; police power, power to tax, power to contract, etc.; liability in contract and in tort. *Beale's Cases on Municipal Corporations.* MR. EDGERTON.*

BANKRUPTCY. *Two hours a week for one half-year.* History of the law; jurisdiction and procedure in Courts of Bankruptcy and before Referees; effect upon civil litigation of bankruptcy proceedings; voidable preferences; jurisdiction over appeals, etc. MR. BRANDENBURG.

*Prescribed Subjects.

CONFLICT OF LAWS. *Two hours a week throughout the year.* Jurisdiction: of law over persons and things; of courts; in rem; in personam; quasi in rem; and for divorce. Creation and enforcement of foreign rights; limitations and enforcement of such rights; remedies, including rights of action and procedure; particular classes of rights, including personal rights, property rights, tort rights, contract rights; administration of estates. *Lorenzen's Cases on Conflict of Laws.* MR. VAN VLECK.

CONSTITUTIONAL LAW. *Two hours a week throughout year.* Legislative, executive and judicial powers; the relation of nation and states; District of Columbia and territories; the contract clause; ex post facto laws; fourteenth amendment; commerce clause, etc. *Wambaugh's Cases on Constitutional Law.* MR. COLLIER.

* CORPORATIONS. *Two hours a week throughout year.* General principles of corporation law including the corporation's relations with the state, its promoters, its stockholders, and its creditors, and the rights and obligations arising therefrom. *Warren's Cases on Corporations (2d ed.).* MR. EDGERTON.

FEDERAL PROCEDURE. *Two hours a week for one half-year.* Source of Federal jurisdiction; the law as administered by Federal Courts; jurisdiction and procedure; appellate jurisdiction of Circuit Court of Appeals and Supreme Court of the United States; practice in Court of Claims, and other Federal Courts. MR. BRANDENBURG.

INCOME TAX. *Two hours a week for one half-year.* Constitutionality and construction of United States statutes on income tax and excess profits tax. *Internal Revenue Laws, 1920.* MR. GORDON.

INTERNATIONAL LAW. *Two hours a week for one half-year.* Sources; jurisdiction; the pacific relations of states; the belligerent relations of states; war rights as to private property; blockade; contraband; and the rights and duties of neutrals. *Scott's Cases on International Law.* MR. DUNN.

LEGAL BIBLIOGRAPHY AND BRIEF MAKING. *One hour a week for one half-year.* Where and how to find the law; how to use decisions and statutes; trial brief; appeal brief. JUDGE LATIMER.

LEGAL TACTICS AND ETHICS. *One hour a week for one half-year.* Duties of attorneys; ethics; office practice; common law practice; summary judgments; attachments; examination of witnesses; appellate practice; extraordinary legal remedies. MR. CLEPHANE.

* MOOT COURT. *Two hours a week throughout year.* Pleadings; trials before judge; trials before jury; appellate work. There are four nisi prius courts, one Equity, two Circuit, and one Criminal, and a Court of Appeals. The proceedings are conducted as in a regular court. State-

*Prescribed Subjects.

ments of fact are furnished the students who must determine the court in which to sue, frame their pleadings, and conduct the cases to a conclusion in accordance with the rules of actual practice. A student must have completed the courses in Evidence and Common Law Pleading before beginning Moot Court. After September 1, 1923, Equity Pleading and Practice will also be a prerequisite for Moot Court. MESSERS, CLEPHANE, HALL and EARNEST and JUDGE LATIMER.

MORTGAGES. *Two hours a week for one half-year.* The two existing theories as to mortgage security; real estate and chattel mortgages, considering in detail the various forms of mortgage commonly in use in commercial communities, together with the rights and liabilities arising thereunder. *Kirchwey's Cases on Mortgages* (2d ed.). MR. MCFALL and MR. COLLIER.

SURETYSHIP. *Two hours second half-year.* Nature of the contract; kinds of suretyship; the statute of frauds; surety's defenses based on the absence, suspension, or discharge of the primary obligation, or on conduct of the creditor prejudicial to the surety rights; effect of notice of revocation by or death of the surety; subrogation; exoneration. *Ames' Cases on Suretyship*. MR. SPAULDING.

ORGANIZATION AND MANAGEMENT OF CORPORATIONS. *One hour a week for one half-year.* Promotion; selecting domicile; capitalization; charter; by-laws; meetings; stockholders; directors; officers; stock; bonds; voting trusts. *Clephane on the Organization and Management of Corporations*. MR. CLEPHANE.

PARTNERSHIP. *Two hours a week for one half-year.* Formation; title to partnership property; partnership liability; rights and duties of partners inter se; rights and remedies of creditors. *Ames' Cases on Partnership*. JUSTICE STAFFORD.

PATENT LAW (SUBSTANTIVE) AND PATENT OFFICE PRACTICE. *Two hours a week throughout year.* Substantive Patent Law: subjects of patents; invention; anticipation; statutory bars; utility; parties; reissues; disclaimers; extent of monopoly; state and federal regulation; transfers of title; licenses; construing claims; infringement. Patent Office Practice: attorneys; application papers; examinations; amendments; division; double patenting; interferences; interference practice; appeals; abandonment; renewals; public use proceedings; issue. MR. SUTTON.

PATENT LAW PRACTICE. *Two hours a week for one half-year.* Trial of patent law cases in moot court. MR. SUTTON.

PREPARATION OF LEGAL INSTRUMENTS. *One hour a week for one half-year.* Contracts; deeds; acknowledgment and proof of deeds; mortgages and deeds of trust; leases; bills of sale; chattel mortgages; release of mortgages or deeds of trust; powers of attorney; assignments; wills. JUDGE LATIMER.

PUBLIC UTILITIES. *Two hours a week for one-half year.* An introductory consideration of the rights and duties of public service companies in general, followed by a brief study of the special obligations of carriers. *Burdick's Cases on Public Utilities.* MR. EDGERTON.

TRUSTS. *Two hours a week throughout year.* The nature of a trust as distinguished from debt, bailment, equitable charge and executorship; the requisites for the creation of a trust including trustee, cestui que trust, object, consideration and the effect of the Statute of Frauds; the nature of the cestui's interest; the transfer of trust property by act of the parties, by death, by marriage, by insolvency and acts of creditors; the duties of the trustee in the administration of his trust. Resulting and constructive trusts. *Scott's Cases on Trusts.* MR. LAVERY.

WILLS AND ADMINISTRATION. *Two hours a week for one half-year.* History of wills; right to make a will; what is disposable under a will; form, execution, and attestation; revocation; who is entitled to administer upon an estate; distribution of an intestate's personalty; descent of realty; probate; letters testamentary and of administration; duties of executors and administrators. *Costigan's Cases on Wills.* MR. SMITH and MR. EVANS.

PROPERTY III. *Two hours a week for one half-year.* Future interests; conditions, reversions, remainders and conditional limitations; Rule in Shelley's Case; Future interests in personalty; Powers; Rule against perpetuities. *Kale's Cases on Future Interests.* MR. EVANS.

SUMMER SCHOOL 1923

The Summer School of 1923 will cover a period of twelve weeks, divided into two sessions of six weeks each. Classes in the first session begin Monday, June 18th, and end Saturday, July 28th. Examinations will be held July 30, 31 and August 1. Classes in the second session begin Thursday, August 2, and end Wednesday, September 12. Examinations will be held September 13, 14 and 15.

The purpose of the Summer School is to lighten and supplement the work of the regular session by enabling students to complete subjects usually taken in the regular session, or to shorten the period of study for a degree. In this connection, attention is invited to the fact that the twelve weeks summer course is not equivalent to one semester in reckoning the time-requirement for a degree.

Subjects have been selected to afford proper work both for students beginning the study of Law and for advanced students. All the subjects selected will be conducted by regular members of the Faculty and the character of instruction and the amount and grade of work required will be the same as that of the regular session.

Registration should be completed by the opening date of each session. Students may register for one or both sessions.

Students who are qualified for admission as candidates for degrees will be given two semester-hours credit for each subject completed.

Employed students may obtain a maximum of four semester-hours credit in each session by attendance in two subjects aggregating ten periods per week. Students not employed may obtain a maximum of six semester-hours credit in each session by attendance in three subjects aggregating fifteen periods per week.

The schedule is so arranged that work may be taken in the morning or in the late afternoon, or part in the morning and part in the late afternoon.

Classes in morning subjects are held from Tuesday to Saturday inclusive; classes in afternoon subjects from Monday to Friday inclusive. Wednesday, July 4th, and Monday, September 3rd, will be holidays.

COURSES OF INSTRUCTION—FIRST SESSION

FIRST YEAR SUBJECTS

Elementary Procedure.—Two semester credits. Scott's Cases on Civil Procedure. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Lavery.

Personal Property.—Two semester credits. Warren's Cases on Property. Tuesday to Saturday, inclusive, 7.50 to 8.40 a. m. Mr. Updegraff.

SECOND AND THIRD YEAR SUBJECTS

Code Pleading.—Two semester credits. Sunderland's Cases on Code Pleading. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Updegraff.

Conflict of Laws.—Four semester credits. (Continued through second session.) Lorenzen's Cases on Conflict of Laws. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Van Vleck.

Damages.—Two semester credits. Mechem and Gilbert's Cases on Damages. Tuesday to Saturday, inclusive, 7.50 to 8.40 a. m. Mr. Lavery.

Labor Law II.—Two semester credits. Sayre's Cases on Labor Law. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Spaulding. (Labor Law I is not a prerequisite to Labor Law II.)

Mining Law.—Costigan's Cases on Mining Law. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Arnold (Professor of Law, University of Cincinnati).

Partnership.—Two semester credits. Ames' Cases on Partnership. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Spaulding.

SECOND SESSION

FIRST YEAR SUBJECTS

Domestic Relations.—Two semester credits. Woodruff's Cases on Domestic Relations. Tuesday to Saturday, inclusive, 7.50 to 8.40 a. m. Mr. Van Vleck.

Legal Liability.—Two semester credits. Beale's Cases on Legal Liability. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Collier.

SECOND AND THIRD YEAR SUBJECTS

Administration of Estates.—Two semester credits. Costigan's Cases on Wills. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Evans.

Administrative Law.—Two semester credits. Freund's Cases on Administrative Law. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Spaulding.

Conflict of Laws.—Continuation of course begun in first session. Monday and Thursday, 5.10 to 6.50 p. m.; Wednesday, 5.10 to 6.00 p. m. Mr. Van Vleck.

Insurance.—Two semester credits. Vance's Cases on Insurance. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Evans.

Labor Law I.—Two semester credits. Sayre's Cases on Labor Law. Tuesday to Saturday, inclusive, 7.50 to 8.40 a. m. Mr. Spaulding.

Sales.—Two semester credits. Williston's Cases on Sales. Tuesday and Friday, 5.10 to 6.50 p. m.; Wednesday, 6.00 to 6.50 p. m. Mr. Collier.

PUBLIC SPEAKING AND DEBATING

Excellent facilities for training in public speaking and parliamentary law are afforded by the Columbian Debating Society, which has been organized in the Law School, and meets weekly for debate. Membership in this society is optional, but its work is encouraged by the faculty, and students are advised to take part in its exercises.

Intercollegiate debates are also held. Membership on the teams which represent the University in these contests must be won in preliminary contests held for such purpose. These debates are conducted under the supervision of a committee of the University Faculty.

ATTENDANCE, RECITATIONS, EXAMINATIONS, GRADES,
AND ELIMINATION OF STUDENTS

Attendance and Recitations.—No student, except by special permission of the Dean, will be allowed to take an examination on any subject unless he shall be regularly registered and have been in regular attendance upon the classes and have done all the work required in the course of instruction upon that subject. A student who is absent over ten per cent of the class hours in any subject will be denied credit unless his absences are excused by the Dean.

Regular Examinations.—Written examinations are held at the close of the first half-year in subjects which are then completed and at the close of the year in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean.

Grades.—At all examinations the grading of students will be indicated by the letters A, B, C, D, E, and F, representing, respectively, Excellent, Good, Satisfactory, Fair, Conditioned, and Failed. A student receiving the grade F (failed) in any subject will be required to repeat the course. A student receiving the grade of E (conditioned) in any subject will be required to repeat the course unless he pass the next regular examination for the removal of conditions with a grade of at least C.

Examinations for the Removal of Conditions.—Regular examinations for the removal of conditions are held during the first week of each academic year. A special examination for the removal of conditions is held at the end of each academic year for the benefit of candidates for the Bachelor's degree who have been conditioned in not more than four hours during the first half of their last year. Application for permission to take these examinations must be made in writing to the Secretary of the Law School not later than three days before the date for which the examination is scheduled.

Elimination of Students.—A student must obtain a grade of "D" or better in at least three-fourths of the total number of semester-hours for which he registers, and any student who fails to do so shall thereby automatically be excluded from further work in the school. He may be reinstated upon such a showing and upon such conditions as may be required by the Committee on Scholarship. The instructors of the first-year class are a committee to examine the students' records, with power to warn, to place on probation, and to refuse registration to any student whose work is deemed unsatisfactory. The committee examines the records of all students immediately after the midyear examinations and again after the final examinations.

DEGREES

1. *Bachelor of Laws.*—The degree of Bachelor of Laws will be conferred upon regular students who have studied law for a period of at least three academic years and passed satisfactory examinations with an average grade of at least C on required and elective subjects aggregating thirty-six year-hours, and whose attendance and conduct have been satisfactory to the faculty.

The degree of Bachelor of Laws with distinction will be awarded students whose average percentage in all subjects is equivalent to the grade of A.

2. *Master of Laws.*—The degree of Master of Laws will be conferred upon students who have completed the work in subjects not counted for the Bachelor of Laws degree covering a minimum of ten year-hours with a grade of C or better in each subject and an average grade of at least B, and whose attendance and conduct have been satisfactory to the faculty. The degree will not be conferred until one academic year after the receipt of the degree of Bachelor of Laws.

The degree of Master of Laws with Distinction will be awarded students whose average percentage in all subjects is 90, and who have made the grade of A in all subjects counting toward the degree.

3. *Master of Patent Law.*—Students who have qualified for the degree of Master of Laws may elect instead the degree of Master of Patent Law, provided that they have included in their course the Patent Law sub-

jects and Federal Procedure. This degree will not be conferred until one year after receipt of the degree of Bachelor of Laws.

Candidates for degrees who have been absent from school for two successive years shall be entitled to continue the course only on such terms as the faculty may prescribe at the time of re-entering.

COMBINATION SIX-YEAR COURSE FOR DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

The University permits one year of professional work in the Law School to be counted toward an academic degree. The degree of Bachelor of Arts will be conferred on students who have completed three years of college work (90 semester-hours, 12 semester-hours of which must be completed in the Department of Arts and Sciences of George Washington University, including one of the six groups of subjects there prescribed), and the first year in the Law School; the degree of Bachelor of Laws on completing the whole six years of the combination course.

THE BENCHERS

"The Benchers" is a legal Honor Society, organized to signalize scholarship in the Law School. Students who have maintained an average of "A" during two years work in this Law School are eligible as Term Benchers, and those who have maintained an "A" average throughout the course and who are within first ten per cent of the class are eligible to be elected as "Benchers" after graduation. All elections are made by the Faculty Benchers.

PRIZES

The John B. Larner Gold Medal.—A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who shall have attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded 1921-22 to Basil H. Pollitt.

Herrick Prize.—A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who shall have attained the highest average grade in the entire work of the third year. Awarded 1921-22 to H. C. Kilpatrick.

Blackstone Institute Prize.—Awarded to Basil H. Pollitt. Not offered 1922-23.

The Ordronaux Prize Scholarship.—A prize scholarship, known as "The Ordronaux Prize Scholarship," is awarded annually to that member of the second year class taking the regular course who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of one hundred dollars in his third year; the diploma fee will remain payable. The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must

make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest grade. Awarded 1921-22 to Milton M. Perlman.

Phi Delta Phi Prize.—John Marshall's Inn, the local chapter of Phi Delta Phi Legal Fraternity, offers a prize of twenty-five dollars cash, to be awarded at the close of each school year to that man of the first year class who shall have attained the highest average grade in the entire work of the year. Recipients are restricted to men who have made their initial registration in the Law School since the previous June, and who shall have completed at least eighteen semester hours of the courses prescribed for the work of the first year. Awarded in 1921-22 to Philip E. Barnard.

Phi Delta Delta Prize.—Zeta Chapter of Phi Delta Delta Women's Legal Fraternity, which is the local chapter, offers a prize of twenty-five dollars in gold, to be awarded annually to that woman member of the first year class receiving the highest average of those registered as first year students who shall not have entered the Law School prior to September of the scholastic year for which the prize is awarded, and who shall have completed at least eighteen semester hours of study during that year. Awarded 1921-22 to Rebecca Perlman.

Ellsworth Prize.—A prize of twenty-five dollars in gold, offered by Mr. Fritz v. Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice. Awarded 1921-22 to H. C. Dieserud.

John Byrne and Company Prize.—A prize offered by John Byrne and Company of Washington, D. C., of four volumes of their Legal Classics is awarded each year to the student attaining the highest grade in Real Property II. Awarded 1921-22 to Joseph A. Jordan.

Contracts Prize.—A prize offered by Callahan and Company, law book publishers, of a Cyclopedic Law Dictionary is awarded each year to the student attaining the highest grade in Contracts.

FEES

1. Registration fee (payable once upon first registration in the Law School)	\$5
2. Tuition fee per annum for each hour taken per week.....	12
3. Fee for graduation.....	10
4. Fee for each subject taken in summer session.....	12
The approximate cost of the books for the first year.....	45.00

No registration will be accepted for less than a half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean or Secretary. *Students will be charged for all courses registered or until application for permission to drop them or to withdraw from the University has been made in writing to the Dean. Withdrawals during the half-year will be granted only on recommendation of the Dean.*

PAYMENT OF FEES

Matriculation fee is due in advance. Tuition may be paid in eight monthly installments in advance, but will not be apportioned for a part of a month. Students unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond for \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1, of the current school year. Students who are dropped from the rolls because of delinquency in payment of fees are required to pay a reregistration fee of \$2. Fees are payable at the office of the Treasurer of the University, 2101 G Street, or of the Secretary of the Law School.

STUDENTS' EMPLOYMENT

The School endeavors to assist students in finding work to aid in their support. Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue the law course in the afternoon. Information concerning these examinations may be secured from the Civil Service Commission at Washington.

There are also opportunities for private employment which will help pay expenses, but the applicant must be on hand to take advantage of them. Prospective students should have the means of support for at least a half-year to give them time to secure positions.

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STUDIES IN ETHNOLOGY

The present paper is devoted to a consideration of the nature of the human mind, and the influence of the environment upon it. The first part of the paper is devoted to a consideration of the nature of the human mind, and the second part to a consideration of the influence of the environment upon it.

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The present paper is devoted to a consideration of the nature of the human mind, and the influence of the environment upon it. The first part of the paper is devoted to a consideration of the nature of the human mind, and the second part to a consideration of the influence of the environment upon it.

STUDENTS IN THE UNIVERSITY

Names of students who have withdrawn or graduated are indicated by stars (*) or symbols (§); those who have entered since February 15, 1923, by daggers (†).

DEGREES CONFERRED, MISCELLANEA

STUDENTS IN THE UNIVERSITY

There is no doubt that the best students in the University are those who are most interested in the study of the subject.

DEGREE GRADUATES, UNIVERSITY OF MICHIGAN

STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1922-1923

Names of students who have withdrawn or graduated are indicated by stars (*); those who have entered since February, 1923, by daggers (†).

In the numeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1922-23, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian College 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

SCHOOL OF GRADUATE STUDIES IN ATTENDANCE

AMES, HERMAN ROBIE (N. H.)	1046 Irving Street, N. E.
B. A., 1922, M. A., 1923, George Washington University	
*BASSETT, CATHERINE CLARK (D. C.)	604 7th Street, N. E.
B. A., 1922, George Washington University	
BIRTWELL, ELIZABETH (D. C.)	123 12th Street, S. E.
B. A., 1904, Wellesley	
BRITTEN, ROLLO HERBERT (Md.)	U. S. P. H. Service
A. B., 1912, Harvard; M. A., 1922, George Washington University	
*BROWN, HERBERT CHARLES (Md.)	Laurel, Md.
B. A., 1917, Greenville College	
BUCHANAN, RUTH (Pa.)	1517 Rhode Island Avenue
B. S., 1919, University of Pittsburgh; M. S., 1920, George Washington University	
BUNNELL, THEORA JULIETTE (Md.)	3427 Holmead Place
A. B., 1904, Goucher	
BURKE, ALLAN (N. Y.)	1721 T Street
B. S. in C. E., 1907, Purdue	
CHANEY, MRS. BERTHA SHANKS (D. C.)	210 Flower Ave., Takoma Pk.
B. S., 1896, Union College, Nebraska; M. A., 1922, George Washington University	
CLARK, MRS. MARION (Md.)	1657 Lamont Street
A. B., 1901; A. M., 1904, Western Maryland College; LL. B., 1916, George Washington University	
COLLINS, SELWYN DE WITT	3465 14th Street
A. B., 1914, University of Missouri; A. M., 1915, University of Wisconsin.	
COOK, FANNYE ADDINE (Miss.)	1319 N Street
A. B., Miss. State College for Women	
†COTTON, CORNELIA MARIE (D. C.)	3242 38th Street
A. B., Cornell	
CURRY, JESSIE MAE (Ohio)	1002 Madison Avenue, Baltimore
A. B., 1917, Mt. Union College	
*DENNISON, EDWARD STANFORD (Mass.)	Interior Department Building,
B. S., Mass. Inst. of Technology, 1922	Bureau of Mines
DIXON, EDNA AUGUSTA (D. C.)	2013 Eye Street
A. B., 1918, George Washington University	
*EZEKIEL, MORDECAI JOSEPH B. (Md.)	Bureau Agri. Econ., Dept. Agri.
B. S., 1918, Maryland State Agricultural College	
GAMBS, JOHN SARE (D. C.)	2617 University Place
A. B., 1920, George Washington University	
GUERNSEY, ERNEST WILLIAMS (Ind.)	1832 Biltmore Street
B. S., 1918, University of Illinois; M. S., 1922, American University	
*HAELIG, ARTHUR F. (N. J.)	2007 G Street
B. S., 1921, Rutgers College	
†HARMAN, SUSAN EMOLYN (Md.)	College Park, Md.
B. Ed., Peru State Teachers College, 1914; B. A., University of Nebraska, 1917; M. A. University of Nebraska, 1918	
*HAWKES, FRED (D. C.)	2541 13th Street,
HIMES, MINNIE (D. C.)	1427 Chapin Street
A. B., 1917, Cotner College; A. B., 1918, University of Nebraska	
JENKINS, ANNA ELIZA (N. Y.)	1822 Eye Street
B. S. in Agri., 1911, Cornell	
*JOHNSON, VIRGINIA HEAD (Va.)	Government Hotels
B. A., 1922, George Washington University	
*JONES, MARIE MACMILLAN (Wash.)	1517 R. I. Avenue
A. B., 1920; M. A., 1922, George Washington University	
KUPJIAN, GABRIEL (N. Y.)	Takoma Park, D. C.
A. B., 1920, Washington Missionary College; M. A., 1921, George Washington University	

- LEASURE, EDWARD CHARLES (D. C.) 3317 N Street, N. W.
 B. S. in C. E., 1921, Catholic University
- LEE, WILLIAM YONG CHICK (Korean) 905 Continental Trust Building
 A. B., 1921; A. M., 1922, George Washington University
- LOOMIS, ALBERT GEYER (Mo.) 711 Upshur Street
 A. B., University of Mo., 1914; A. M., University of Mo., 1915; Ph. D., University of California, 1919
- MCCOHAN, DAVID (Pa.) Y. M. C. A., Box 428
 B. S., 1920, University of Pennsylvania; M. S., 1922, University of Pennsylvania
- MACLEAR, MARTHA (N. Y.) 1405 Girard Street
 B. S., 1909, M. A., 1910, Columbia University
- †MEIGS, JERUSHA GILMAN (Wash.) 1104 M Street
 B. A., 1921, University of Washington; B. L. S., 1921, University of Washington
- MULLIGAN, GRACE CAROLINE (Md.) 3604 14th Street
 M. E., 1903, Colorado School of Mines
- NORTON, JOHN KELLEY (Calif.) 1201 16th Street
 A. B., 1916; A. M., 1917, Stanford University
- NORWOOD, FREDERICK JAMES (D. C.) 1231 Franklin St., N. E.
 B. S. in C. E., 1922, University of Maryland
- NUTTER, VIRBROOK (D. C.) 624 Carroll Avenue, Takoma Pk.
 A. B., 1920, Washington Missionary College; M. A., 1922, George Washington University
- *OPPENHEIMER, MRS. HENRIETTA B. (D. C.) 3434 34th Street
 A. B., 1921, George Washington University
- PHILLIPS, FRANK MCGINLEY (Ia.) 223 E Street, N. E.
 M. D., 1907, Iowa State Normal School; A. B., 1909, Iowa State Teachers College;
 A. M., 1915, State University of Iowa; Ph. D., 1919, George Washington University
- PINCK, LOUIS AARON (N. J.) 1740 Euclid Street
 B. S., in Ch. E., 1918, New York University
- PORTER, FRANK (Mo.) 1437 Belmont Street
 A. B., 1919, Missouri State University
- ROAT, ANNA LOUISA (D. C.) 1150 N. Capitol Street
 A. B., 1921, George Washington University
- ROBBINS, JESSIE MARIAN (N. J.) 1519 R Street
 Ph. B., 1907, Alfred University
- RUE, HAROLD PERCY (Pa.) 3020 O Street
 A. B., 1920, George Washington University; M. S., 1922, George Washington University
- *SCHOFFTALL, CHARLES WARREN (Pa.) 1810 Conn. Ave.
 A. B., 1922, George Washington University
- *SCOFIELD, HELEN COLE (Wisc.) 3021 O Street
 A. B., 1912, University of Wisconsin
- *SEAMAN, WILLIAM (N. Y.) 2305 18th Street
 A. B., M. S., Brown University, 1917
- SMITH, WILLARD CARL (D. C.) 1723 G Street
 B. E., 1916, Illinois State Normal University
- †STURGIS, HONTAS MILLER (Md.) Hyattsville, Md.
 B. S., 1889, West Kentucky College; Glasgow Normal School, 1892.
- WADDELL, MRS. ELIZABETH FLEMING (Ga.) 3800 14th Street
 A. B., 1921, George Washington University
- WALLACE, DONALD SANFORD (N. Y.) 1771 Church Street
 Ph. B., 1920, Yale
- WILLEY, ARCHER (Utah) 800 L Street
 B. S., 1916, Agricultural College, Utah; M. A., 1922, George Washington University
- †WYNNE, EDWARD (Calif.) 3822 McKinley
 A. B. Harvard, LL. B., University of California

DOCTOR OF PHILOSOPHY

- †ADAMS, ROBERT HAMMOND (S. C.) 2107 S Street
 A. B., 1904, Davidson College, A. B., 1908, Davidson College. *Topics:* Major, English
- †AI, WEI JOSEPH (China) 2014 Kalorama Road
 B. S. and M. A. *Topics:* Major, Psychology. Minor, Education
- *ANDERSON, MYRON SALLE (D. C.) 1440 W Street
 A. B., 1913, Simpson College; M. S., 1916, Iowa State College. *Topics:* Major, Chemistry; Minors, Mineralogy, Chemistry
- BAER, JOHN LEONARD (Pa.) The Maury
 A. B., 1920, George Washington University, M. S., 1921, George Washington University. *Topics:* Major, Archaeology; Minors, Ethnology, Zoology
- †BASS, NATHAN WOOD (Kansas) 1114 M Street
 B. S., 1917, Kansas Agricultural College; M. S., 1922, George Washington University. *Topics:* Major, Geology; Minors, Geology, Zoology
- BAYLY, MARGARET 1656 Monroe Street
 A. B., 1914, George Washington University; A. M., 1916, George Washington University. *Topics:* Major, English; Minors, English, History of Art

- *BRANDES, WALTER CHRISTIAN (D. C.).....2032 16th Street
Ph. B., 1916, Yale University; M. A. (Specialist), 1920, George Washington University.
Topics: Major, Political Science; Minors, History, History
- CARR, ELMA B. (Ky.).....Bureau of Statistics
A. B., 1920, George Washington University; A. M., 1921, George Washington University.
Topics: Major, Economics; Minors, Commerce, Political Science.
- CHAPIN, EDWARD ALBERT (Mass.).....1358 B Street S. W.
Ph. B., 1916, Yale University; M. S., 1917, Massachusetts Agricultural College.
Topics: Major, Zoology; Minors, Ornithology, Geology
- *CONGER, SIDNEY WOLVERTON (Wisc.).....U. S. National Museum
B. S., 1920, University of Wisconsin; M. S., 1921, University of Wisconsin. Topics:
Major, Zoology; Minors, Botany, Geology
- COTTON, RICHARD THOMAS (England).....10 Sycamore Street, Takoma Pk.
B. S., 1914, Cornell; M. S., 1918, Cornell. Topics: Major, Zoology; Minors, Zoology, Botany
- CRAWFORD, HARRY JUSTIN (N. J.).....St. Elizabeth's Hospital
B. S., 1920, George Washington University; M. D., 1921, George Washington University.
Topics: Major, Psycho-Pathology; Minors, Psycho-Pathology
- DANIEL, ROBERT CLINTON (Va.).....2017 H Street
A. B., 1909, Virginia Christian College; A. M., 1921, George Washington University.
Topics: Major, Economics; Minors, Political Science, Commerce
- DEFANDORF, JAMES HOLMES (Md.).....1335 H Street
A. B., 1915, A. M., 1916, Wesleyan University. Topics: Major, Bacteriology; Minors, Preventive Medicine, Pharmacology
- DAVIS, THOMAS ALLEN (D. C.).....635 Eye Street
B. S. in Engineering, 1921, George Washington University; M. S., 1922, George Washington University.
Topics: Major, Chemistry; Minors, Chemistry, Geology
- DYAR, EDNA GERRISH (Minn.).....Government Hotels
A. B., 1914, University of Wisconsin. Topics: Major, Pathology; Minors, Pathology, Psychology
- EISLER, EDWIN ROY (Minn.).....St. Elizabeth's Hospital
B. S., 1918, University of Illinois; M. D., 1919, University of Illinois. Topics: Major, Psycho-Pathology; Minors, Philosophy, Psycho-Pathology
- ENLWS, MRS. ELLA M. A. (W. Va.).....122 Willow Ave., Takoma Pk.
A. B., 1915, George Washington University; M. S., 1915, George Washington University.
Topics: Major, Bacteriology; Minors, Pathology, Chemistry
- FUSFIELD, IRVING SIDNEY (D. C.).....Gallaudet College, Kendall Green
B. S., 1915, Columbia University; B. Ped., 1916, Gallaudet; M. A., 1917, George Washington University. Topics: Major, Education; Minors, History, Economics
- GAMBLE, JAMES ALEXANDER (Md.).....College Park, Md.
B. S., 1909, Connecticut Agricultural College; M. S., 1915, George Washington University.
Topics: Major, Bacteriology; Minors, Bacteriology, Chemistry
- GERSDORFF, WILBUR AUGUST (D. C.).....1825 N. Capitol Street
B. S., 1918, George Washington University; M. S. (Specialist), 1920, George Washington University.
Topics: Major, Geology; Minors, Paleontology, Zoology
- GRAYATT, GEORGE FLIPPO (Md.).....5 Leland St., Chevy Chase, Md.
B. S., 1911, Virginia Polytech. Institute; M. S., 1912, Virginia Polytech. Institute.
Topics: Major, Botany; Minors, Bacteriology, Zoology
- *GRIFFIN, EDWARD LAWRENCE.....229 Rock Creek Church Road
A. B., 1911, B. S., 1912, M. S., 1913, University of Kansas. Topics: Major, Chemistry; Minors, Chemistry, Bacteriology
- HADLEY, ERNEST ELVIN (Kans.).....St. Elizabeth's Hospital
B. S., 1915, University of Kansas; M. D., 1920, University of Kansas. Topics: Major, Psycho-Pathology; Minors, Psycho-Pathology, Philosophy
- *HAYES, MURRAY OSWALD (Utah).....University of Utah
A. B., 1914, Brigham Young University; M. S., 1920, George Washington University.
Topics: Major, Geology; Minors, Geology, Zoology
- HENRY, JERRY MAURICE (Va.).....337 North Carolina Avenue
A. B., 1909, Bridgewater College; M. S., 1919, George Washington University. Topics: Major, History; Minors, History, Education
- HODGKINS, GEORGE WILSON (D. C.).....1821 Kalorama Road
A. B., 1915, George Washington University; M. A., 1916, George Washington University.
Topics: Major, Education; Minors, Education, Economics
- HUTCHINSON, MILDRED (Mass.).....1878 Phelps Place
A. B., 1915, Smith College. Topics: Major, Spanish; Minors, Spanish, French.
- *KEENAN, GEORGE LAWRENCE (Mich.).....1337 Taylor St.
B. S., 1911, University of Michigan; M. A., 1912, University of Michigan. Topics: Major, Geology; Minors, Botany, Chemistry
- KEFAUER, HARRY JOSHUA (Md.).....2107 H Street
A. B., 1900, University of Maryland; A. M., 1901, University of Maryland. Topics: Major, Education; Minors, Education, Psychology
- LUGENBILL, PHILLIP (S. C.).....Bureau of Entomology
B. S. A., 1910, Ohio State University; A. M., 1917, University of South Carolina.
Topics: Major, Zoology; Minors, Botany, Zoology

- MCARTHUR, LOUIS EUGENE (Utah).....2112 F Street
B. Pd., 1897, Brigham Young; A. B., 1916, A. M., 1917, George Washington University. *Topics:* Major, Political Science; Minors, History, Economics
- MASON, PRESTON, WALTER (Md.).....10 Sycamore Avenue, Takoma Park, Md.
B. S., 1912, Michigan Agricultural College; M. S., 1917, Purdue. *Topics:* Major, Zoology; Minors, Zoology, Geology
- *MELCHER, ARLES FRANCIS (Ill.).....4115 Emery Place
B. S., 1907, M. S., 1909, Central College. *Topics:* Major, Geology; Minors, Mineralogy, Physics
- MOORE, FRANK DEANE (D. C.).....1324 Euclid Street
A. B., 1918, M. A., 1919, M. S., 1922, George Washington University. *Topics:* Major, Geology; Minors, Chemistry, Ethnology
- MORGAN, JOY ELMER (D. C.).....1201 16th Street
A. B., 1917, University of Nebraska; B. L. S., 1920, New York Library School. *Topics:* Major, Education; Minors, Sociology, Library Science
- MOSS, FRED AUGUST (N. C.).....Aurora Heights
A. B., 1913, Mercer University; A. M., 1920, Columbia University. *Topics:* Major, Psychology
- MÜHL, ANITA MARY (Ind.).....St. Elizabeth's Hospital
B. S., 1918; M. D., 1920, University of Indiana. *Topics:* Major, Psychopathology; Minors, Psychiatry, Psychopathology
- MUNCH, JAMES CLYDE (Md.).....Bureau of Chemistry
B. S., 1915, M. S., 1916, Wesleyan. *Topics:* Major, Chemistry; Minors, Chemistry, Pharmacology
- NORMAN, ESTELLA GERTRUDE (Mich.).....1527 Eye Street
B. A., 1898, Battle Creek College; M. D., 1907, American Med. Miss. College. *Topics:* Major, Psychology; Minors, Psychology, Psychiatry
- PHILLIPS, MAX (D. C.).....513 Harvard Street
B. S., 1917, M. S., 1918, University of Wisconsin. *Topics:* Major, Chemistry; Minors, Bacteriology, Geology
- PRENTISS, AUGUSTIN MITCHELL (D. C.).....1728 Corcoran Street
B. S., 1911, C. E., 1913, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Mechanical Engineering
- RAINE, WENDELL PHILLIPS (D. C.).....1731 S Street
B. S. in E., 1907, M. A., 1911, University of Pennsylvania. *Topics:* Major, Commerce; Minors, Political Science, Sociology
- *ROE, JOSEPH HYRAM (Va.).....1335 H Street
A. B., 1916, Roanoke College; A. M., 1917, Princeton University. *Topics:* Major, Chemistry; Minors, Chemistry, Physiology
- ROSS, CECIL LYLEL (D. C.).....618 22d Street
A. B., 1918, Washington Missionary College; A. M., 1921, George Washington University. *Topics:* Major, Education; Minors, History, Psychology
- SHINN, ERWIN HENRY (Ark.).....1735 F Street
A. B., 1910, Arkansas University; B. S., 1916, Oklahoma A. and M. College; M. A., 1919, George Washington University. *Topics:* Education; Minors, Agricultural Education, Sociology
- †STEARNES, HAROLD THORNTON (Conn.).....1819 G Street
B. S., Wesleyan University. *Topics:* Major, Geology; Minors, Geology, Ethnology
- STEVENSON, JOHN ALBERT (P. R.).....4113 Emery Place
B. S. in Forestry, 1912, University of Minnesota. *Topics:* Major, Botany; Minors, Botany, Zoology
- STIRLING, MATTHEW (Calif.).....New National Museum
A. B., 1920, University of California; A. M., 1922, George Washington University. *Topics:* Major, Ethnology; Minor, Archaeology
- STURTEVANT, ARNOLD PARKER (Md.).....423 Dorset St., Chevy Chase, Md.
A. B., 1912, Clark University. *Topics:* Major, Bacteriology; Minors, Bacteriology, Preventive Medicine
- SULLIVAN, JAMES BASCOE (Md.).....Clarendon, Va.
A. B., 1912, Mercer University; A. M., 1922, Columbia University. *Topics:* Major, Psychology
- TICE, REBECCA E. (Penna.).....210 Government Hotels
B. S., 1916, Albright College. *Topics:* Major, Pathology; Minors, Pathology, Psychology
- TOOHEY, WILLIAM MICHAEL (D. C.).....1225 Vermont Avenue
A. B., 1915, M. A., 1919, Rock Hill College. *Topics:* Major, Chemistry; Minors, Chemistry, Zoology
- WINTER, FRANKLIN I. (Mich.).....910 Maryland Ave., N. E.
A. B., 1913, Colgate University. *Topics:* Major, Philosophy; Minors, Ethics, History
- WRIGHT, GRACE VIOLA (D. C.).....The Montgomery
A. B., 1919, George Washington University; M. A., 1920, George Washington University. *Topics:* Major, Psychology; Minors, Psychology, Philosophy
- *YEN, EN TSUNG (China).....1015 19th Street
A. B., 1918, Shanghai Baptist College; M. A., 1920, George Washington University. *Topics:* Major, Political Science; Minors, History, Philosophy

MASTER OF ARTS

- *ABEL, BENEDICK (D. C.).....1225 Vermont Avenue
Topics: Major, Zoology; Minor, Chemistry
- *AMAN, JOHN ANDREW (Md.).....Mt. Rainier, Md.
A. B., 1920, George Washington University. Topics: Major, Political Science; Minor, English
- *AMES, HERMAN ROBIE (N. H.).....1046 Irving Street, N. E.
A. B., 1922, George Washington University. Topics: Major, History; Minors, History, Commerce
- ANDERSON, CARL CLAUDE (Mich.).....1910 G Street
A. B., 1921, Albion College. Topics: Major, Chemistry; Minors
- ANDERSON, THEODORE CUTLER (Va.).....302 G Street, N. E.
A. B., 1922, George Washington University. Topics: Major, Education; Minors, English, History
- *ARNOLD, HELEN JANE (D. C.).....1250 N. J. Avenue
A. B., 1916, Syracuse University. Topics: Major, Zoology; Minors, Zoology, Botany
- ARNOLD, ROSEMARY (Pa.).....24 2nd Street, N. E.
A. B., 1921, George Washington University. Topics: Major, English; Minors, English, Sociology
- *BACON, MRS. VIRGINIA C. (D. C.).....1730 H Street
A. B., 1904, University of Oregon. Topics: Major, Education; Minor, Psychology
- BARSE, GEORGE PERCY (D. C.).....1365 B Street, S. E.
A. B., 1917, George Washington University; LL. B., 1908, LL. M., 1909, National University Law School. Topics: Major, History; Minors, Commerce, Philosophy
- BELLER, ELIZABETH C. (D. C.).....235 1st Street, N. E.
A. B., 1917, George Washington University. Topics: Major, History; Minor, Education
- BENNETT, RUTH HILTON.....3420 Mt. Pleasant Street
A. B., 1919, George Washington University. Topics: Major, Political Science; Minors, Political Science, History
- *BERGMAN, GERTRUDE (Iowa).....Government Hotels
A. B., 1922, George Washington University. Topics: Major, English; Minors, Political Science, History
- †BERLINER, ALICE E. (D. C.).....1458 Columbia Road
A. B., George Washington University, 1923. Topics: Major, Sociology; Minor, Psychology
- *BONTWELL, WILLIAM D.....1657 31st Street
A. B., 1922, University of Illinois. Topics: Major, Political Science
- BOX, MARY MARGARET (Texas).....1313 Kennedy Street
A. B., 1922, George Washington University. Topics: Major, Education
- *BROWN, ERMA (Mo.).....Cavendish Apartments
A. B., 1922, George Washington University. Topics: Major, Economics; Minors, Sociology, Commerce
- BROWN, MARY (D. C.).....Southbrook Courts
A. B., 1915, George Washington University. Topics: Major, English; Minor, Philosophy
- BURLINGAME, LUCY L.....1419 22nd Street
A. B., 1918, George Washington University. Topics: Major, English; Minor, Education
- CASEY, WILLIAM ROY (Texas).....1 Allegheny Avenue, Takoma Park, D. C.
A. B., 1916, Washington Missionary College. Topics: Major, Mathematics; Minors, Education, Astronomy
- CAYANAUGH, FRANK JOSEPH (N. Y.).....2011 F. Street
A. B., 1922, George Washington University. Topics: Major, Philosophy; Minors, Education, Architecture
- CHAN, IM-HING (China).....306 9th Street
A. B., 1922, George Washington University. Topics: Major, Political Science; Minors, Commerce, Philosophy
- CHANG, KAICHEN Z. (China).....2312 19th Street
A. B., 1909, St. John's (China). Topics: Major, Economics
- *CHEE, YONG EUN (Korea).....905 Continental Trust Bldg.
B. S., Northwestern University, 1921. Topics: Major, Political Science; Minors, Political Science, History
- CHILDRÉE, LINNEY L. (Ala.).....411 High St., Chevy Chase, Md.
B. S. in C. E., Alabama Polytech., 1922. Topics: Major, Commerce; Minors, Physics, Mathematics
- COPP, CLARK CUSTER (Va.).....226 3d. Street
A. B., 1919, Roanoke College. Topics: Major, Chemistry; Minor, Education
- *COUGHLIN, MILDRED MARGARET (Kans.).....5346 41st St., Chevy Chase
A. B., 1918, Washburn College; A. M., 1923, George Washington University. Topics: Major, Commerce; Minors, English, Economics

- CRABTREE, EUNICE KATHERINE (D. C.).....1304 Euclid Street
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, History, Economics
- *DEFREES, RAYMOND GARFIELD (Va.).....Clarendon, Va.
A. B., 1920, George Washington University. *Topics:* Major, Economics; Minors, Commerce, Civil Engineering
- †DODEK, SAMUEL M. (D. C.).....1319 Emerson Street
A. B., 1923, George Washington University. *Topics:* Major, Psychology; Minors, Preventive Medicine, Psychology
- DUFOUR, ARLINE HUGHES (D. C.).....1831 Kilbourne Place,
A. B., 1920, George Washington University. *Topics:* Major, English
- *DUNHAM, BELLINGER (Pa.).....1156 15th Street
A. B., 1915, University of Pennsylvania. *Topics:* Major, Political Science; Minor, History
- EARNEST, ELIZABETH (D. C.).....2123 N Street
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, English, History
- EMORY, MARY ANNETTE (D. C.).....811 6th Street, N. E.
A. B., 1919, George Washington University. *Topics:* Major, Botany; Minors, Botany, Education
- ENGLISH, MAUDE FRANZONI (D. C.).....2014 15th Street
A. B., 1918, George Washington University. *Topics:* Major, English; Minors, English, Philosophy
- *ERLANDSON, RAY SANFORD (Wisc.).....1304 Euclid Street
A. B., 1918, University of Wisconsin. *Topics:* Major, Education; Minor, Economics
- EVANS, JESSIE RUTH (D. C.).....127 Willow Avenue, Takoma Pk.
A. B., 1917, Washington Missionary College. *Topics:* Major, English; Minors, English, Education
- FICKLIN, KROES (Va.).....Alexandria, Va.
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, Education, History
- FLACK, WILMA (Kans.).....2009 N Street
A. B., 1918, University of Michigan. *Topics:* Major, Economics
- *FOOTE, MARK (Mich.).....3404 Rodman Street
A. B., 1903, University of Michigan. *Topics:* Major, History; Minors, Political Science, History
- GADDIS, MARGARET T. (D. C.).....1017 E. Capitol Street
A. B., 1920, George Washington University. *Topics:* Major, History; Minors, Education, Sociology
- GILBERT, LEE EYSTER (Md.).....Laurel, Md.
A. B., LL. B., 1922, George Washington University. *Topics:* Major, Education; Minors, Education, Mathematics
- *GRAY, ULYSSES SHERMAN (D. C.).....1603 Mass. Avenue
A. B., 1922, George Washington University. *Topics:* Major, Commerce; Minor, Political Science
- GREEN, MRS. RUTH TUTHILL (Md.).....Glen Echo, Md.
A. B., 1918, Smith College. *Topics:* Major, English; Minors, English, History
- GUILFORD, ANNE ELIZABETH W. (Md.).....1608 Que Street
A. B., 1922, George Washington University. *Topics:* Major, Political Science; Minors, History, English
- GUILFORD, CHARLES CARLTON (Va.).....Eastern High School
A. B., 1921, George Washington University. *Topics:* Major, History; Minors, Economics, Political Science
- *GUSTIN, ROBERT DANIEL (D. C.).....694 4th Street, N. E.
A. B., 1922, George Washington University. *Topics:* Major, Mathematics; Minors, Applied Mathematics, Philosophy
- †HAGAN, JONATHAN FOSTER (Va.).....Ballston, Va.
A. B., 1923, George Washington University. *Topics:* Major, Commerce; Minors, Economics, Political Science
- HARDY, ROSE LEES (D. C.).....764 Rock Creek Church Road
A. B., 1918, George Washington University. *Topics:* Major, Psychology
- HATT, ELSIE (Ind.).....1229 Conn. Avenue
A. B., 1922, Vassar. *Topics:* Major, Psychology; Minors, Psychology, Education
- HAUKE, RILLA MAY (D. C.).....605 Mass. Avenue, N. E.
A. B., 1919, George Washington University. *Topics:* Major, Economics; Minor, Ethnology
- HILL, EDITH ESTHER (Ind.).....1326 Park Road
A. B., 1916, Indiana University. *Topics:* Major, Mathematics
- HOLT, WILLIAM STULL (N. Y.).....1725 17th Street
A. B., 1920, Cornell. *Topics:* Major, History; Minors, History, Political Science
- *HOOVER, LAWRENCE GRANT (D. C.).....116 Baltimore St., Takoma Pk.
A. B., 1915, University of West Virginia. *Topics:* Major, Education; Minors, Psychology, English

- †HOPPER, WARD LOAN (Wisc.).....2659 Conn. Ave.
B. S., University of Wisconsin, 1917. *Topics:* Major, Economics
- *HOWARD, RALPH CRAWFORD (Miss.).....1719 G Street
B. S., 1918, University of Mississippi; LL. B., 1921, National University; M. A., 1923,
George Washington University
- HUMMER, ELIZABETH (Va.).....746 Rock Creek Church Road
A. B., 1917, George Washington University. *Topics:* Major, Psychology
- *JENKINS, WARDER BRYAN (Ohio).....1315 Belmont Street
B. S., 1917, Ohio State University. *Topics:* Major, Economics; Minors, Commerce,
Economics
- JOHNSON, GRACE RUSSELL (D. C.).....3121 13th Street
A. B., 1919, Wells College. *Topics:* Major, History; Minor, Education
- *JUDD, ELEANOR CATHERINE (Wisc.).....1819 G Street
A. B., 1921, George Washington University. *Topics:* Major, English; Minors, German,
Sociology.
- †KEMMAN, HUGO AUGUSTUS (Ia.).....1719 Eye Street
A. B., 1923, George Washington University. *Topics:* Major, Philosophy
- KITTREDGE, DOROTHEA DAVIS (Ia.).....1706 T Street
A. B., 1916, University of Montana. *Topics:* Major, Economics; Minors, Education,
Preventive Medicine
- KNAPPEN, MRS. NELLIE (D. C.).....2925 Tilden Street
A. B., 1891, University of Minnesota. *Topics:* Major, Botany; Minor, Zoology
- KOCKKA, JOSEPH LAWRENCE (N. J.).....217 Linworth Place, S. W.
B. Foreign Service, Georgetown University, 1921; A. B., 1922, George Washington
University. *Topics:* Major, Commerce; Minor, Education
- LEONARD, LEWIS THOMPSON (Pa.).....520 G Street, N. E.
B. S., 1913, George Washington University. *Topics:* Major, Botany; Minor, Preventive
Medicine
- LEE, MARY ELIZABETH (Ark.).....Government Hotels
A. B., 1901, Ouachita College. *Topics:* Major, English; Minor, History
- LOCKNANE, EDNA L. SORGEN (Ohio).....1012 Park Road
A. B., 1918, Oberlin College. *Topics:* Major, English; Minors, English, French
- LORD, ISAAC QUACKENBUSH (D. C.).....1336 Newton Street, N. E.
A. B., 1922, George Washington University. *Topics:* Major, Sociology; Minors,
Sociology, Psychology
- LOWREY, VERNON BOOTH (Miss.).....231 House Office Building
A. B., 1914, Mississippi College. *Topics:* Major, History; Minors, History, Commerce
- †MCKENZIE, DORIS (Calif.).....1224 13th Street
A. B., George Washington University. *Topics:* Major, English
- MACKOWSKIE, HERMAN EDWIN EARL (D. C.).....439 Mass. Avenue
A. B., 1922, Gallaudet. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics
- MANKEY, HELEN LATRA (D. C.).....2914 11th Street
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, English,
Education
- *MARTIN, HOWARD HANNA (Ill.).....1758 N Street
B. S. in Economics, 1922, University of Pennsylvania. *Topics:* Major, History; Minors
English, Political Science
- MILLIKEN, FLORENCE ETHEL.....15 Dorset Avenue, Chevy Chase
A. B., 1915, George Washington University. *Topics:* Major, English; Minors, History,
Education
- *MILLSAUGH, NELLE ELIZABETH (Mo.).....405 The Ontario
A. B., 1922, George Washington University. *Topics:* Major, English
- *MIZELLE, HAZEL LATHAM (N. C.).....1104 M Street
A. B., 1922, North Carolina College. *Topics:* Major, English; Minors, English,
Psychology
- MOORE, HARRY HASCALL (D. C.).....3421 Lowell Street
A. B., 1917, Reed College. *Topics:* Major, Education; Minors, Sociology, Preventive
Medicine
- MOORE, MARGARET DJENAN (N. Y.).....Government Hotels
B. S., 1922, Columbia University. *Topics:* Major, Education; Minors, Sociology,
Psychology
- MOORE, MILDRED JOSEPHINE (Va.).....111 Tennessee Ave, N. E.
A. B., 1920, George Washington University. *Topics:* Major, English; Minors, Latin,
Education
- *MUCCIO, JOHN JOSEPH (R. I.).....Y. M. C. A.
Ph. B., 1921, Brown University. *Topics:* Major, Political Science; Minors, Political
Science, Commerce
- *MULLINIX, VIRGINIA WORTHINGTON (Md.).....Route 2, Chevy Chase, Md.
A. B., 1919, Hood College. *Topics:* Major, Mathematics; Minors, Education, Latin
- *MURDAUGH, JAMES EDMUND D. (D. C.).....St. Alban's School
A. B., 1917, University of Virginia. *Topics:* Major, English; Minors, English, Edu-
cation
- MURPHY, MABEL GANT (Ind.).....105 Primrose St., Chevy Chase,
Md.
A. B., 1912, Butler College. *Topics:* Major, Latin; Minors, English, Education

- MURRAY, MARY FRANCES (Mass.).....1317 Farragut Street
A. B., 1918, George Washington University. *Topics:* Major, History; Minors, History
Commerce
- NELMS, HENNING CUNNINGHAM (D. C.).....1121 12th Street
A. B., 1920, George Washington University. *Topics:* Major, English; Minor, English
- NELSON, NORMAN JUSTIN (N. Dak.).....16 Hamilton St., Brentwood, Md.
A. B., 1917, George Washington University. *Topics:* Major, English; Minors, English,
Spanish
- NEWLOVE, IVADEL ELSIE (N. Dak.).....2109 F Street
A. B., 1921, George Washington University. *Topics:* Major, Commerce; Minors,
Commerce, Economics
- NEWTON, WILLIAM LEE (Ind.).....3432 Lowell Street
A. B., 1921, Indiana State Normal College. *Topics:* Major, Chemistry; Minors,
Chemistry, Philosophy
- †O'DEA, MARIE (Md.).....825 13th Street, N. E.
A. B., 1923, George Washington University. *Topics:* Major, Chemistry; Minors,
Bacteriology, Chemistry
- †O'FLAHERTY, DANIEL (Va.).....2 Jefferson Ave., S. Wash. Va.
A. B., 1923, George Washington University. *Topics:* Major, Psychology; Minor,
Education
- ORYNSKI, ISABELLA WANDA (Tex.).....230 A Street, S. E.
A. B., 1922, George Washington University. *Topics:* Major, Philosophy; Minors,
English, Archaeology
- PLETCHER, DOROTHY ELIZABETH (D. C.).....1112 Euclid Street
A. B., 1922, Wellesley College. *Topics:* Major, English; Minor, Political Science
- PORTER, BESSIE JANE (Neb.).....1757 H Street, No. 3
A. B., 1922, George Washington University. *Topics:* Major, Archaeology; Minors,
English, Philosophy
- *PORTER, CHARLES WALLACE (Ohio).....2821 13th Street
A. B., 1921, George Washington University. *Topics:* Major, Political Science; Minors,
Economics, Commerce
- PRESTRUDE, CARL GUNNAR (Wash.).....Monterey Apartments No. 35
A. B., 1909, Spokane College; C. P. A., State College of Washington, 1920. *Topics:*
Major, Commerce; Minor, Commerce
- PUTNAM, AMY DOROTHY (N. J.).....910 19th Street
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, Archae-
ology, German
- RANDOLPH, STELLA (Ill.).....843 Madison Street
A. B., 1922, George Washington University. *Topics:* Major, Philosophy; Minors,
English, Political Science
- REEVE, FELICIA ANN.....3217 19th Street
A. B., 1917, George Washington University. *Topics:* Major, French; Minors, French,
Spanish
- RENSHAW, ANNIE TILLERY (N. C.).....2109 F Street
A. B., 1921, George Washington University. *Topics:* Sociology; Minors, Philosophy,
English
- REYNOLDS, CHARLES (Ill.).....1038 Munsey Building
A. B., 1918, University of Wisconsin. *Topics:* Major, English; Minors, Political
Science
- ROBINSON, PAUL LEROY (Pa.).....4117 3d Street
B. S., 1918, Pennsylvania States College. *Topics:* Major, Education;
- †ROSE, ANNA LORETTE (Pa.).....The Pently, No. 705
A. B., 1912, George Washington University. *Topics:* Major, Psychology; Minors,
Psychology, Education
- ROSE, MARY ESTELLE (D. C.).....2963 Tilden Street
A. B., 1921, George Washington University. *Topics:* Major, English; Minors,
Education, History
- SARGENT, HARVEY OWEN (Ala.).....1912 Hamlin Street, N. E.
B. S., 1901, M. S., 1902, Alabama Polytech. Institute. *Topics:* Major, Education;
Minors, Education, Sociology
- †SCOTT, PAULINE (D. C.).....2000 16th Street
A. B., 1921, George Washington University. *Topics:* Major, Sociology; Minors,
Economics, Education
- SCHUYLER, MRS. EDITH OSGOOD (Pa.).....2145 Eye Street
A. B., 1918, Washington Missionary College. *Topics:* Major, English; Minors,
Economics, Political Science
- *SHABSHELOWITZ, THEODORE (N. Y.).....302 M Street
A. B., 1917, New York City College; Rabbi, Jewish Theological Seminary. *Topics:*
Major, Semitics; Minor, Education
- SHARITZ, RUPERT OTHELLO (Va.).....1123 13th Street
A. B., 1922, Emory and Henry. *Topics:* Major, Economics; Minor, History
- SHAW, HOWARD KNOTT (N. J.).....1758 N Street
A. B., 1921, George Washington University. *Topics:* Major, History; Minors, History,
English

- *SHELLEDY, FREDERICK THOMAS (Mo.).....Hyattsville, Md.
B. S. in Agric., 1917, University of Missouri. *Topics:* Major, Economics; Minors,
Commerce, Political Science
- SHORT, AUGUSTA (Miss.).....1203 Kennedy Street
A. B., 1916, Mississippi Women's College. *Topics:* Major, English
- SIMR, CELESTIA (Czecho-Slovakia).....1715 18th Street
State Gymnasium, Pilsen, 1913; LL. D., Charles University at Pasa, 1918. *Topics:*
Major, Sociology; Minors, Economics, Commerce
- *SLIGH, JOHN HENRY (D. C.).....1709 Que Street
A. B., 1910, Newberry College. *Topics:* Major, Commerce; Minors, Commerce, Eco-
nomics
- SMITH, EDNA S. (Mich.).....311 C Street
A. B., 1920, George Washington University. *Topics:* Major, Psychology; Minors,
English, Sociology
- SMITH, LOUISE JANE (W. Va.).....1826 Lamont Street
A. B., 1906, George Washington University. *Topics:* Major, English; Minor, Educa-
tion.
- *SPOERRI, JAMES FULLER (Ill.).....304 House Office Building
A. B., 1922, George Washington University. *Topics:* Major, English; Minor, Political
Science
- STEEL, ANNETTE ESTELLE T. (Pa.).....1751 N. H. Avenue
A. B., 1922, George Washington University. *Topics:* Major, History; Minors, French,
Economics
- *STEWART, MARY (D. C.).....1712 H Street
A. B., 1900, University of Colorado. *Topics:* Major, Education
- STRICKLAND, ELIZABETH JOSEPHINE (Okla.).....4125 Garrison Street
A. B., 1921, Judson College. *Topics:* Major, English; Minors, History, Education
- THOMAS, WOODLIEF (Tenn.).....1801 K Street
B. S., 1922, University of Pennsylvania. *Topics:* Major, Economics; Minors, Com-
merce, Economics
- THORNHILL, ANNIE COLLIER (Va.).....3033 15th Street
A. B., 1922, George Washington University. *Topics:* Major, Education; Minors,
English, Philosophy
- TICE, HOWARD MCCOLY (Pa.).....2005 G Street
A. B., 1922, George Washington University. *Topics:* Major, Political Science; Minor,
Education
- TRENT, ADELAIDE ROYAL (Va.).....Route 1, Rosslyn, Va.
A. B., 1922, George Washington University. *Topics:* Major, Psychology; Minors,
Education, Sociology
- UMBECK, NELDA ROSE (Mo.).....Hotel Roosevelt
A. B., 1922, George Washington University. *Topics:* Major, English; Minors, English,
German
- VAN NESS, ETHEL MARIE (N. J.).....1326 15th Street
A. B., 1921, George Washington University. *Topics:* Major, English; Minors, Sociol-
ogy, Philosophy
- WALKER, OLIVER MALLORY (D. C.).....1721 H Street
Graduate of U. S. Naval Academy. *Topics:* Major, Commerce
- WALKER, SARA LOUISE (Ga.).....1333 Valley Place, S. E.
A. B., 1921, Randolph-Macon College. *Topics:* Major, English; Minors, English,
Philosophy
- *WANG TENG YUN (China).....644 Munsey Building
A. B., 1922, George Washington University. *Topics:* Major, Political Science; Minors,
History, Commerce
- *WARD, ALINE (S. C.).....Savannah, Georgia
A. B., 1914, Hollins College. *Topics:* Major, English; Minors, English, German
- WHITFORD, BESSIE (D. C.).....3369 18th Street
A. B., 1917, George Washington University. *Topics:* Major, English; Minors, English,
Philosophy
- WHITLOCK, CAROLYN (Ind.).....1364 Harvard Street
A. B., 1910, Valparaiso; B. Pg., 1912, Valparaiso. *Topics:* Major, English; Minor,
History
- WIEGANDT, HARRY NICOLAI (S. D.).....1116 R. I. Avenue
A. B., 1922, George Washington University. *Topics:* Major, Political Science; Minors,
History, Commerce
- *WIEHL, DOROTHY GERARD (Mo.).....1801 Eye Street
A. B., 1917, University of Wisconsin. *Topics:* Major, Economics; Minors, Economics,
Preventive Medicine
- WILLIS, MRS. VIRGINIA BULLOCK (Ala.).....918 F Street
A. B., 1921, George Washington University. *Topics:* Major, English; Minors, Political
Science, Spanish
- WILSON, ANNE ELIZABETH (N. J.).....1735 Church Street
A. B., Swarthmore. *Topics:* Major, Education; Minor, Psychology
- WOLFE, HARRIET (Pa.).....Grace Dodge Hotel
A. B., 1913, Bethany, W. Va. *Topics:* Major, Education; Minors, Education, Pys-
chology

MASTER OF SCIENCE

- ADAMS, JAMES MERRILL RYLAND (D. C.).....230 Spruce Avenue, Takoma Park, Md.
A. B., 1920, George Washington University. *Topics:* Major, Botany.
- *BARNES, JESSE WRIGHT (Cal.).....1029 22d Street
A. B., University of California. *Topics:* Major, Chemistry; Minors, Astro-Physics, Philosophy
- BEACH, JESSIE (D. C.).....U. S. National Museum
A. B., 1922, George Washington University. *Topics:* Major, Geology
- BEALL, ISAAC NEWTON (D. C.).....176 Uhland Terrace, N. E.
A. B., 1922, George Washington University. *Topics:* Major, Chemistry; Minor, Preventive Medicine
- †BERLINER, JULIUS FREDERICK T. (D. C.).....1471 Irving Street
B. S. in Ch. E., 1923, George Washington University. *Topics:* Major, Chemistry; Minor, Geology
- BIRTWELL, BERTHA (D. C.).....123 12th Street, S. E.
A. B., 1908, George Washington University. *Topics:* Major, Mathematics; Minors, Astro-Physics, Education
- BLACK, CHARLES ASHTON (Tenn.).....4904 Chesapeake Street
A. B., 1914, Hendrix College. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics
- BOWER, WILL WARREN (D. C.).....927 17th Street
B. S., Massachusetts Institute of Technology, 1920; B. S., Ohio State Agricultural College, 1917. *Topics:* Major, Geology; Minor, Geology
- BRADLEY, MARY ALICE (Ind.).....1104 M Street
A. B., 1918, Franklin College. *Topics:* Major, Botany; Minors, Botany, Zoology
- BROOKS, ADIN PAUL (Colo.).....3456 Newark Street
A. B., 1917, Colorado College. *Topics:* Major, Chemistry; Minor, Geology
- *BURTON, OLIVER EUGENE (W. Va.).....Mt. Rainier, Md.
A. B., 1920, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics
- BUTKIEWICZ, JOHN KONSTANTIN (D. C.) (deceased).....1335 H Street
D. D. S., 1916, A. B., 1920, George Washington University. *Topics:* Major, Histology; Minors, Bacteriology, Physiology
- *BUTLER, LUSINTHIA (Conn.).....The Chastleton
A. B., Wellesley. *Topics:* Major, Physics; Minors, Physics, Mathematics
- CANTRELL, WILLIAM CLYDE (D. C.).....1001 8th Street
Phar. D., 1920, Baylor University; A. B., 1921, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Bacteriology
- *CARSON, FREDERICK THOMAS (Tex.).....102 Northbrook Courts
A. B., 1915, Simmons College. *Topics:* Major, Chemistry
- COLLINS, HENRY BASCOMB, JR. (La.).....The Maury
A. B., 1922, Millsaps College. *Topics:* Major, Archaeology; Minor, Ethnology
- *COLLINS, RUTH MARGUERITE (N. H.).....2930 Upton Street
B. S., Simmons College, 1918. *Topics:* Major, Physics; Minors, Physics, Mathematics
- COX, CARRIE JULIET (W. Va.).....Government Hotels
A. B., 1922, George Washington University. *Topics:* Major, Psychology; Minors, Psychology, Education
- EISEMAN, JOHN HARTSHORN (D. C.).....1349 Randolph Street
B. S., 1921, University of Maryland. *Topics:* Major, Chemistry
- FOLLETT, MRS. BEATRICE HANNAFORD (Me.).....826 Kennedy Street
A. B., 1922, George Washington University. *Topics:* Major, Clinical Microscopy and Bacteriology; Minors, Serology, Preventive Medicine
- FOSTER, MARGARET DOROTHY (D. C.).....2112 F Street
A. B., 1918, Illinois College. *Topics:* Major, Chemistry
- FOX, EDWARD JACKSON (D. C.).....4800 Wisconsin Avenue
A. B., 1917, Richmond College. *Topics:* Major, Chemistry
- *FRANK, PAUL MELVILLE (Pa.).....1736 G Street
M. E., 1921, Lehigh University. *Topics:* Major, Geology; Minors, Meteorology, English
- GILMORE, BERNARD HAROLD (D. C.).....423 Mass. Ave.
A. B., 1919, University of West Virginia. *Topics:* Major, Chemistry; Minors, Chemistry, Preventive Medicine
- *GUTHRIE, LEROY ROLAND (Ore.).....2627 Garfield Street
B. S. in M. E., 1918, Oregon State Agricultural College. *Topics:* Major, Physics; Minors, Chemistry, Mechanical Engineering
- HAWORTH, ELLIS (D. C.).....132 13th Street, S. E.
A. B., 1922, George Washington University. *Topics:* Major, Physics; Minors, Physics, Chemistry
- HOOKE, MILDRED WHITEHILL (Vt.).....1104 M Street
Ph. B. University of Vermont, 1921. *Topics:* Major, Physics; Minors, Mathematics, Physics

- †HUGHES, CHARLES WESLEY (Md.).....2945 Tilden Street
A. B., 1923, George Washington University. *Topics:* Major, Physics; Minors, Physics, Mathematics
- JENKINS, ANNA ELIZA (N. Y.).....1822 Eye Street
B. S. A., 1911, Cornell. *Topics:* Major, Botany
- IRISH, OLIVER JOHN (D. C.).....326 Taylor Street
A. B., 1916, State University of Iowa. *Topics:* Major, Chemistry
- JONES, RUSSELL MORGAN (Pa.).....1720 Euclid Street
B. S., 1920, Pennsylvania State College. *Topics:* Major, Chemistry
- JOHNSON, OTTO THEOPHILUS (D. C.).....1225 Harvard Street
B. S., 1914, University of Vermont; M. A., 1922, George Washington University.
Topics: Major, Electrical Engineering; Minors, Civil Engineering, Philosophy
- KIMBALL, HERBERT CAWLING (Ill.).....1819 Monroe Street
A. B., 1916, Dartmouth. *Topics:* Major, Chemistry; Minors, Chemistry, Physics
- †LANIGAN, THOMAS MICHAEL, JR. (D. C.).....1368 Harvard Street
B. S. in M. E., Catholic University of America. *Topics:* Major, Mechanical Engineering; Minor, Electrical Engineering
- LEWTON, FREDERICK LEWIS (Md.).....113 Chestnut Avenue
A. B., 1922, George Washington University. *Topics:* Major, Botany; Minors, Botany, Mineralogy
- MARLOWE, MABEL (Wash.).....1341 S. Carolina Ave., S. E.
A. B., 1922, George Washington University. *Topics:* Major, Physics; Minors, Physics, Chemistry
- MARSHALL, RUSH P. (D. C.).....1502 Decatur Street
B. S., 1914, Pennsylvania State College. *Topics:* Major, Botany
- MARTIN, JAMES BLAINE (Kans.).....1337 L Street
A. B., 1915, Fairmont College, Wichita, Kansas. *Topics:* Major, Chemistry; Minors, Physics, Bacteriology
- MATLACK, MARION BROOKS (Fla.).....2106 18th Street
B. S., 1921, University of Florida. *Topics:* Chemistry; Minors, Chemistry, Bacteriology
- MILLS, COE STANLEY (N. J.).....2010 F Street
B. S., 1921, Brown University. *Topics:* Major, Geology; Minor, Psychology
- †MITCHELL, FREDERICK CHORLTON (Pa.).....1938 Biltmore Street
A. B., George Washington University, 1922. *Topics:* Major, Chemistry; Minors, Mechanical Engineering, Physics
- MOULTON, STANLEY CHENEY (Va.).....707 20th Street
B. S., 1918, University of Virginia. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics
- NEUMANN, META AMELIA (D. C.).....449 Irving Street
A. B., 1917, George Washington University. *Topics:* Major, Pathology; Minor, Psychology
- NEWBOLD, PATTY THUM (Ky.).....1853 Newton Street
B. S., 1914, University of Chicago. *Topics:* Major, Botany; Minors, Botany, Ornithology
- PFaff, HELEN ISABEL (Ohio).....1301 K Street
B. S., 1910, University of Akron. *Topics:* Major, Bacteriology; Minors, Bacteriology, Pathology
- PHELPS, ANNABELLE W. (D. C.).....Wardman Park Hotel
A. B., 1922, George Washington University. *Topics:* Major, Geology; Minors, Archaeology, Geology
- *PROBEY, THOMAS FULLALOVE (D. C.).....1603 30th Street
A. B., 1921, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Preventive Medicine
- REDFIELD, ARTHUR HUBER (Va.).....1219 Jefferson Street
A. B., 1913, George Washington University. *Topics:* Major, Geology; Minor, Paleontology
- RUSSELL, PAUL GEORGE (N. Y.).....3523 Warder Street
A. B., 1916, George Washington University. *Topics:* Major, Botany
- RYAN, RICHARD LEE (D. C.).....1215 Euclid Street
A. B., 1920, George Washington University. *Topics:* Major, Chemistry; Minors, Preventive Medicine, Political Science
- ST. GEORGE, RAYMOND ALEXANDER (Va.).....East Falls Church, Va.
B. S., 1918, Massachusetts Agricultural College. *Topics:* Major, Zoology; Minors, Zoology, Geology
- SANBORN, NORRIS HENRY (D. C.).....115 Maryland Ave., N. E.
B. S., George Washington University, 1922. *Topics:* Major, Chemistry; Minors, Chemistry, Commerce
- *SCHAFER, JACOB MORDECAI (D. C.).....7 Oak Place, Bethesda, Md.
B. S., 1918, George Washington University. *Topics:* Major, Bacteriology; Minors, Bio-Chemistry, Preventive Medicine
- SELLMAN, ALBERT HALL (D. C.).....1331 K Street
B. S., 1917, University of Maryland. *Topics:* Major, Physics; Minors, Electrical Engineering, Mathematics

- SHERMAN, MRS. MILDRED SWEENEY (D. C.).....1133 24th Street
A. B., 1919, Oberlin College. *Topics:* Major, Chemistry; Minors, Chemistry, Preventive Medicine
- SHULMAN, ABRAHAM ISRAEL (R. I.).....2405 18th Street
B. S., 1921, Brown University. *Topics:* Major, Civil Engineering; Minor, Architecture
- SPURR, FRANK ARTHUR (Ia.).....2523 14th Street
B. S., 1921, George Washington University. *Topics:* Major, Geology; Minors, Geology, Chemistry
- STROTHER, DAVID HUNTER (W. Va.).....3153 Mt. Pleasant
A. B., 1922, George Washington University. *Topics:* Major, Electrical Engineering; Minors, Electrical Engineering, Mechanical Engineering
- THOMAS, CARROLL TRUETT (Va.).....Bureau of Standards
B. S., 1920, University of Richmond. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics
- *THORNE, MAURICE ANSON (D. C.).....Tunlaw Road
A. B., 1922, George Washington University. *Topics:* Major, Mechanical Engineering; Minors, Mechanical Engineering, Applied Mathematics
- WEBSTER, ROBERT ALDEN (Mont.).....315 14th Street, N. E.
B. S., 1914, E. E., 1922, University of Montana. *Topics:* Major, Physics; Minors, Mathematics, Electrical Engineering
- WHITTAKER, COLIN (Ill.).....3519 Lowell Street
A. B., 1919, Fairmont College. *Topics:* Major, Chemistry
- WHITE, EDWIN LEE (Va.).....1 Columbia St., Cherrydale, Va.
A. B., 1922, George Washington University. *Topics:* Major, Physics; Minors, Physics, Mathematics
- WILLIS, WARREN JENNISON (Minn.).....Patent Office
A. B., George Washington University, 1918; United States Naval Academy, 1912; M. A., 1919, George Washington University. *Topics:* Major, Mathematics; Minors, Electrical Engineering, Philosophy
- WYMORE, IVY JANE CHRISTIA (Ia.).....The Chastleton
B. S., 1918, Drake University. *Topics:* Major, Chemistry; Minor, Geology
- YEE, JEW YAM (Calif.).....1829 M Street
B. S., University of California. *Topics:* Major, Chemistry; Minor, Chemistry
- YOUNG, JAMES LAWRENCE (D. C.).....26th and G Sts., Chem. Dept.
B. S. in Chemistry, 1917, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Geology
- *ZOBEL, CARL G. F. (Pa.).....701 Rock Creek Church Road
A. B., 1922, George Washington University. *Topics:* Major, Physics; Minors, Physics, English

CIVIL ENGINEERING

- *STROOP, DAVID VINCENT (D. C.).....4214 8th Street
B. S., 1921, George Washington University. *Topics:* Major, Civil Engineering

COLUMBIAN COLLEGE

BACHELOR OF ARTS

- | | | |
|-------------------------------|-------|------------------------------|
| Abbot, Helen (II, 0) | N. H. | 2203 K Street |
| *Abramson, Bertha A. (II, 34) | D. C. | 801 Fern Place |
| *Abramson, Herbert (II, 62) | D. C. | 801 Fern Place |
| *Adkins, Jessie (II, 0) | D. C. | Quincy St., Chevy Chase, Md. |
| Ahern, Harry P. (VI, 63) | D. C. | 1231 Ingraham Street |
| Albright, Robert C. (II, 14) | D. C. | 2203 1st Street |
| Albus, Paul C. (IV, 0) | Pa. | 1815 Irving Street |
| Alcazar, Paul F. (V, 0) | Peru | 1536 16th Street |
| Alden, Leland M. (III, 0) | D. C. | 124 Bryant Street |
| Alexander, Augusta (II, 31) | D. C. | 2032 15th Street |
| Alexander, Susan (IV, 49) | Ill. | Government Hotels |
| †Allred, Isabel (IV, 9) | D. C. | 1725 17th Street |
| Allen, M. Isabel (II, 24) | D. C. | 1401 Columbia Road |
| *Allen, Margaret I. (II, 0) | D. C. | 2034 1st Street |
| *Allen, Walter R. (II, 40½) | N. Y. | 1606 19th Street |
| Alsop, Nellie (IV, 94) | Tex. | 1349 Girard Street |
| Alsop, Pattie (IV, 42) | Tex. | 1349 Girard Street |
| *Amend, Mary E. (II, 0) | Pa. | 1920 Biltmore Street |
| *Ames, Mary O (II, 103) | D. C. | 113 Webster Street |
| Amis, William O, Jr. (III, 0) | D. C. | 1752 Que Street |
| Andrews, Alice (IV, 109½) | Ohio | 1921 G Street, |

- †Anderson, Edith A. (IV, 57 ½)
 Anderson, Elin A. (VI, 0)
 Anderson, Gunhilde C. (II, 0)
 Anderson, Neill T. (II, 96)
 Anderson, Norman T. (VI, 56)
 Arnold, Parke A. (II, 0)
 Aten, Ralph P. (IV, 65)
 Atkins, Craig S. (III, 78 ½)
 Atkins, Kathleen E. (II, 59)
 Atkinson, Phyllis (II, 30)
- Audas, Mildred C. (III, 0)
 Baden, Aquila B. (IV, 0)
 *Baggett, Boyd Q. (IV, 0)
 Bailey, Marion (IV, 45)
 Baker, Arline M. (II, 9)
 Baker, Courtland D. (II, 90)
 Baker, Perry R. (IV, 38)
 Baldwin, Alice (II, 97)
 *Ballard, Edwin (II, 0)
 Ballinger, Lola M. (II, 0)
 Balter, Benedict (V, 0)
 Bane, Vivian Dee (III, 0)
 Bannerman, Louise M. (VI, 0)
 Barker, Marion (II, 2)
 Barlow, Henry H. Jr. (II, 0)
 Barlow, R. Geraldine (IV, 86)
 Barnard, Talbott (II, 15)
 *Barnes, Judith M. (III, 0)
 Barnes, Louise M. (III, 0)
 *Barnhard, James L. (V, 0)
 Barr, Mary F. (III, 17)
 Barroll, Eleanor K. (III, 0)
 Barrow, Mary G. (II, 43)
 Bartholomew, Wilmer T. (III, 82)
 †Bartley, Bess (II, 0)
 Bartley, Dorothy V. (II, 12)
 *Basham, Gus O. (IV, 83 ½)
 Bassler, Robert S. (II, 40)
 Bassler, William S. (II, 102)
 *Bauer, David F. (II, 0)
 Bauer, Emma B. (IV, 42)
 Beall, Dorothy J. (IV, 30)
 *Beall, Horace, Jr. (IV, 0)
 Beatie, Wilford D. (VI, 34)
 †Beaver, Garth L. (IV, 0)
 Beck, Katherine D. (IV, 30)
 Becker, Gertrude E. (II, 0)
 Becker, William S. (VI, 87)
 Beeton, Lionel E. (VI, 0)
 Begg, F. Eleanor (II, 24)
 Belt, Norvell (V, 56)
 Bender, Iva A. (II, 24)
 Bender, Leo (IV, 67 ½)
 Benfer, Mary C. (II, 96)
 Benner, Harry L. (IV, 99)
 Bennett, Ora L. (II, 73)
 Bennett, Katherine E. (II, 0)
 Bergner, Gretchen A. (IV, 25)
 *Berliner, Alice E. (IV, 118)
 Berry, Elizabeth M. (II, 12)
 Berryman, Florence (II, 58)
 Berryman, James T. (II, 24)
 Bigler, Pearl E. (IV, 12)
 Bigos, Elizabeth (II, 0)
 Bischoff, Anna M. (II, 21)
 Bixler, Mary (II, 26)
 Black, Margaret (II, 0)
 Blake, Nelson M. (I, 54)
 Blick, Emilie B. (II, 0)
 Blick, Mariana (II, 0)
 Blocher, John W. (VI, 0)
 Bluedhorn, William (VI, 22)
 Blum, Jeannette (IV, 98)
- Ill. Swedish Legation
 N. Y. 715 Allison Street
 Pa. 1627 Massachusetts Avenue
 D. C. 130 The Portner
 Ill. The Woodley
 D. C. 31 Quincy Place
 D. C. 1358 Jefferson Street
 D. C. 1832 Biltmore Street
 D. C. 1832 Biltmore Street
 Colo. 6508 Ridgewood, Chevy Chase,
 Md.
 N. Y. 3444 Mt. Pleasant Street
 D. C. 1014 10th Street
 D. C. 1317 N. Y. Avenue
 D. C. 1439 Fairmont Street
 D. C. 221 Oak Avenue, Takoma Park
 W. Va. Y. M. C. A.
 Mo. 4820 Iowa Avenue
 D. C. The Argyle
 Va. West Falls Church, Va.
 Nebr. 1119 O Street
 Pa. 2015 G Street
 D. C. 2055 Park Road
 D. C. 1841 Summit Place
 D. C. 218 A Street, S. E.
 D. C. 3100 16th Street
 D. C. 1319 Florida Avenue
 Me. 1401 Fairmont Street
 D. C. 1870 Wyoming Avenue
 D. C. 1870 Wyoming Avenue
 Ariz. 1424 K Street
 D. C. 1817 1st Street
 Md. Kensington, Md.
 D. C. 1013 ½ Eye Street, N. E.
 D. C. 1209 Crittenden Street
 Mo. 114 W. Clifton Terrace
 Mo. 114 W. Clifton Terrace
 D. C. 1312 Emerson Street, N. E.
 D. C. 66 Bryant Street
 Pa. 145 11th Street, N. E.
 D. C. 1342 Girard Street
 Pa. Government Hotels
 D. C. 2016 Hillyer Place
 D. C. 3607 Newark Street
 Utah 1312 N Street
 Pa. 419 Randolph
 Wis. 507 21st Street
 D. C. 1837 Lamont Street
 Ohio 4008 14th Street, N. W.
 Va. 717 Duke Street, Alexandria, Va.
 D. C. Fontanet Courts
 D. C. 1907 G Street
 Ind. 1104 M Street
 Md. Silver Spring, Md.
 D. C. 3009 17th Street, N. E.
 Md. 15 Adams Street
 Ohio U. S. National Museum
 Ky. 1419 Clifton Street
 D. C. 1432 F Street, N. E.
 D. C. 1458 Columbia Road
 D. C. 1733 Columbia Road
 D. C. 1754 Euclid Street
 D. C. 1754 Euclid Street
 Wisc. Government Hotels
 D. C. 1843 Vernon Street
 Va. Cherrydale, Va.
 D. C. 821 Massachusetts Avenue, N. E.
 D. C. 1500 Webster Street
 Md. 1736 G Street
 Md. The Cairo
 Md. The Cairo
 D. C. Clifton Terrace
 Conn. 43 W Street
 D. C. 3638 Nichols Avenue

- Boardman, Leona (III, 76½)
 Bogardus, Hester (II, 41½)
 Bogley, Reuben (IV, 0)
 *Bolton, Robert M. (IV, 12)
 Bonebrake, Helen (VI, 42)
 *Bonner, Henry S. (IV, 0)
 Booker, Ivan C. (VI, 6)
 †Booth, Helen C. (II, 0)
 Booth, Nina M. (II, 15)
 Borden, Hazel A. (III, 23)
 *Bowen, Hilda C. (III, 83)
 Bowker, Marian (II, 66)
 Bowling, Dorothy (II, 24)
 *Boyd, James I. (V, 118)
 Boynton, Marcia (II, 60)
 Bracken, Wwight (IV, 89)
 Braden, Mozelle (II, 100)
 Bradford, Elizabeth (II, 34)
 †Bradley, Brooks (VI, 36)
 *Bradley, Henry (V, 126)
 Bradshaw, Max (III, 100)
 Brady, Clara L. (II, 54)
 *Brady, Maurice (III, 0)
 Brake, Katherine (II, 0)
 Brewer, Margaret (II, 102)
 Bridges, Ildria (IV, 78½)
 Britten, Marion H. (IV, 75)
 Brodsky, Anna (IV, 6)
 Brodsky, Helen L. (II, 6)
 Bromberg, John L. (IV, 39)
 Brookley, Lora (II, 100½)
 Brooks, Janiero (II, 45)
 Brown, Augusta H. (II, 12)
 Brown, Chauncey L. (III, 92)
 Brown, Dewey L. (V, 3½)
 Brown, Doris A. (III, 17)
 Brown, Elmer G. (II, 21)
 Brown, Francis W. (IV, 67½)
 *Brown, Georgia M. (III, 120)
 Brown, Mary A. (IV, 61)
 Brown, Rae (II, 0)
 Brown, Russell M. (VI, 15)
 Browne, Mary M. (II, 59)
 Brubaker, (Mrs.) Bessie (II, 48½)
 Bruner, Kenneth H. (IV, 50)
 Bryant, Katherine (II, 56)
 *Bryson, Frances (II, 0)
 Bucia, Simplicia (II, 8)
 *Buck, Dorothy R. (III, 0)
 Buck, Everett H. (IV, 0)
 Buckingham, David R. (IV, 0)
 Buckley, Jeremiah (VI, 0)
 Buell, Ellen M. (I, 0)
 Bunten, Eva Isabel (I, 30)
 Burdick, Bernard F. (IV, 85)
 Burgess, Sabra (IV, 44)
 *Burkhart, Ward (IV, 0)
 Burnet, Mrs. R. B. (II, 52)
 Burroughs, Lucile (II, 0)
 Burton, Mrs. Elizabeth (IV, 21)
 *Butkiewicz, Mrs. Eugenia (II, 103)
 D. D. S., George Washington University, 1918
 Caditz, Aaron (VI, 0)
 †Calbreath, Ellen F. (IV, 0)
 †Call, Alden (IV, 58)
 *Camp, Francis, W. (V, 86½)
 †Campbell, Alden W. (II, 0)
 *Campbell, Dorothea (II, 4)
 *Campbell, Elstun, (II, 18)
 Campbell, Gretchen, (II, 30)
 †Campbell, William B. (IV, 0)
 Canfield, K. E. (IV, 24)
 Ohio
 D. C.
 D. C.
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 D. C.
 D. C.
 Ill.
 D. C.
 N. Y.
 Mass.
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 D. C.
 D. C.
 D. C.
 N. Y.
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 Ala.
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 Ark.
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 P. I.
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 Mass.
 D. C.
 Minn.
 W. Va.
 Colo.
 Pa.
 Pa.
 D. C.
 1220 N. C. Avenue
 McLean, Va.
 1507 28th Street
 3418 13th Street
 1723 Kilbourne Street
 Mount View, S. E.
 1748 Que Street
 3300 16th Street
 2033 G Street
 1501 Farragut Street
 6 W. Melrose St., Chevy Chase
 127 Rock Creek Church Road
 3921 Kanawha Street
 1755 Church Street
 Civil Service Commission
 3320 16th Street
 4002 Kansas Avenue
 140 R. I. Avenue
 2133 F Street
 213 C Street, S. E.
 18 Hickory Avenue, Takoma Pk.
 3810 Morrison Street
 3220 17th Street
 2116 P Street
 College Park, Md.
 3257 N Street
 Cherrydale, Va.
 1506 R Street
 1506 R Street
 Y. M. C. A.
 Government Hotels
 4112 Ingomar St., Chevy Chase
 The Cumberland
 2807 26th Street, N. E.
 1312 Emerson Street, N. E.
 1016 16th Street
 1527 Eye Street
 1842 Calvert Street
 531 12th Street, S. E.
 4606 15th Street
 119 W Street
 Bureau of Finance Commission
 The Oakland
 1150 N. Capitol Street
 1114 Spring Road
 304 Rittenhouse Street
 Wardman Park Hotel
 913 20th Street
 Tuxedo, Md.
 1657 Lamont Street
 The Portner
 1921 G Street
 Herndon, Va.
 53 Cedar Street, Takoma Park
 1733 N Street
 1523 22d Street
 1736 G Street
 The Washington Club
 1201 Que Street
 304 9th Street, N. E.
 1213 4½ Street
 1737 Columbia Road
 134 R. I. Avenue
 3614 Newark Street
 2823 27th Street
 1459 N Street
 1869 Mintwood Place
 312 2d Street, N. E.
 5611 14th Street
 1810 Connecticut Avenue
 1756 Que Street

- Carman, Bessie C. (II, 89)
 Carpenter, Ethel N. (VI, 0)
 *Carpenter, Stewart (II, 0)
 Carr, Margaret (II, 21)
 *Carr, Oliver T. (IV, 0)
 †Carroll, Charles (IV, 0)
 Carruthers, Margery (II, 6)
 *Carter, Dorothy J. (II, 0)
- *Cartwright, C. C. (VI, 0)
 Casanges, Alexander (IV, 35)
 Caskey, Merritt E. (III, 0)
 Castle, Wanda (IV, 96)
 Castleman, Virginia C. (II, 0)
 Caton, Margaret (II, 48)
 *Cavanaugh, Frank J. (I, 127)
 Cerceo, Alfred (II, 31)
 †Chace, Mary L. (IV, 6)
 Chaloner, Cathryn (II, 15)
 Chapman, Elsie F. (II, 24)
 Chapman, Gertrude (IV, 0)
 Chapman, Roberta (II, 24)
 Chappell, Marguerite (II, 0)
 Chappell, William H. (IV, 15)
 Chastain, Louis (II, 107)
 *Chatfield, Helen L. (III, 8)
 †Chavez, Manuelita (II, 0)
 Cherniak, Sylvester (V, 74)
 Cheyney, Jesse S. (IV, 0)
 Chickering, Elizabeth (V, 106)
 Chinn, Marion W. (III, 0)
 Chirieleison, Frank (VI, 79)
 Chisholm, Catherine (II, 60)
 Chisholm, Dallis H. (IV, 0)
 †Chod, Edmund S. (IV, 0)
 Churchman, Clarence (IV, 57)
 Clark, Elizabeth H. (II, 35)
 Clark, Helen A. (II, 39)
 Clark, Ruth M. (II, 6)
 Clements, Frances W. (IV, 0)
 Clephane, Douglas (IV, 18)
 Cline, Robert C. (IV, 84)
 *Clinton, Lahuna E. (II, 0)
 Conkely, Walter (V, 61)
 Cobb, Roy L. (VI, 26)
 Coe, Allen C. (IV, 40)
 Cohen, Charles A. (IV, 96)
 Cohen, Elizabeth (II, 0)
 Cohen, Jennie H. (II, 0)
 Coleman, Charles H. (IV, 67)
 *Colling, Ila (III, 0)
 *Collins, Alfreda G. (IV, 6)
 *Collins, Bertha (II, 0)
 Collins, Paul W. (VI, 0)
 Colvin, Mary E. (II, 0)
 Colvin, Paul A. (IV, 24)
 Comfort, Helen L. (II, 12)
 †Comley, Thelman M. (II, 18)
 †Connolly, Helen L. (IV, 0)
 *Conroy, Helen C. (II, 6)
 †Conway, Lawrence (IV, 0)
 Cook, Charles (IV, 36)
 *Cook, Elizabeth M. (VI, 28)
 Cook, Frank (IV, 0)
 Cook, Hildreth (II, 30)
 Cook, Lyda (III, 12)
 *Cook, Mary T. (II, 0)
 †Cooke, Alice H. (IV, 57)
 Cooke, Julia T. (II, 12)
 Cooper, June (III, 29 1/4)
- N. C. E. Clifton Terrace, 309
 D. C. 1339 Franklin Street, N. E.
 D. C. 3606 Fulton Street
 Md. Government Hotels
 D. C. 3212 Wisconsin Avenue
 D. C. 2333 20th Street
 D. C. 4600 30th Street
 D. C. 3906 McKinley St., Chevy Chase,
 D. C.
 Rochester Hotel
 D. C. 204 E. Capitol Street
 D. C. 2028 Flagler Place
 Texas 1511 Webster Street
 Va. Herndon, Va.
 Va. 224 S. Washington St., Alex., Va.
 N. Y. 2011 F Street
 N. Y. 110 E Street
 N. Y. 1315 20th Street
 Ill. 1499 Irving Street
 Wash. 1204 Euclid Street
 Mo. 129 4th Street, S. E.
 Va. 1700 L Street
 Ark. 4418 15th Street
 Miss. Mt. Vernon Place Church
 Pa. Hyattsville, Md.
 D. C. 1420 21st Street
 N. Mex. Government Hotels
 Pa. 1219 L Street
 Va. Livingston Heights, Va.
 N. H. 1014 10th Street
 D. C. 1541 Harvard Street
 D. C. 1760 Euclid Street
 D. C. Garrett Park, Md.
 D. C. National Headquarters, A. R. C.
 Ill. 1323 R. I. Avenue
 Iowa 410 Senate Office Building
 Va. Library of Congress
 D. C. 1759 Columbia Road
 D. C. 1205 Ingraham Street
 D. C. 1448 Girard Street
 D. C. Chevy Chase, Md.
 Va. Indian Office, Dept. of Interior
 Md. 16 Carroll Ave., Takoma Park., Md.
 Ohio 2018 1/2 H Street
 Ohio 1301 Newton Street, N. E.
 Md. Beltsville, Md.
 N. J. 1222 Massachusetts Avenue
 N. J. 816 Buchanan Street
 D. C. 466 H Street, S. W.
 D. C. 34 East 62d St., New York City
 Mich. Columbia Hospital
 Kans. 1524 28th Street
 Miss. 2126 N Street
 D. C. 3002 25th Street, N. E.
 D. C. 923 Virginia Avenue, S. W.
 Va. 1104 Interstate Commerce Bldg.
 Md. 2310 20th Street
 Va. Cherrydale, Va.
 Mass. 1352 Irving Street
 D. C. 118 Cavanaugh Courts
 Ala. 1510 R Street
 D. C. 1110 Park Road
 Pa. 1757 K Street
 Md. Linden, Md.
 Ga. 411 4th Street
 Ill. 1371 Perry Place
 D. C. 411 4th Street
 W. Va. 1309 Rhode Island Avenue
 D. C. 1249 Irving Street
 D. C. 508 Warwick Place, Chevy Chase,
 D. C.
 D. C. 1632 17th Street
 N. H. 1326 E. Capitol Street
 N. Y. 505 Equitable Building
- *Copping, Victoria (II, 19)
 Corey, Hilda I (II, 52)
 Corey, Wilbur L. (V, 90)

- Costello, James B. (II, 61)
 Cotter, Virginia (III, 36)
 Craighill, Alexander (II, 0)
 Cramer, Alma H. (VI, 72)
 *Craven, Robert (VI, 24)
 Crofton, George H. (III, 74)
 Crossman, Mary L. (II, 0)
 †Crowder, Edythe L. (II, 34)
 Crowell, Ray (IV, 6)
 Crutchley, Harry C. (II, 21)
 Culp, Ruby L. (IV, 82)
 *Cunningham, Clara Diana (II, 0)
 Cunningham, Elfa (II, 18)
 Curran, Raymond H. (IV, 104)
 *Curtin, Thomas H. (II, 0)
 *Curtis, Nelle C. (I, 0)
 *Cush, Alice M. (VI, 0)
 Cushman, Alice W. (II, 21)
- Dady, Ray E. (II, 0)
 Dahlberg, Nan A. (II, 21½)
 *Daily, John R. (IV, 114)
 Daly, Adolph A. (IV, 88)
 Daly, Marguerite M. (IV, 14)
 Darby, Roy T. (IV, 85½)
 Darton, Annunciata (II, 30)
 Davies, Joshua W.
 Davis, B. Lucile (IV, 0)
 Davis, Frances J. (II, 18)
 Davis, Hazel J. (II, 72)
 Davis, James C., Jr. (IV, 0)
 Davis, Lee M. (II, 0)
 *Davis, Marshall (VI, 37)
 *Davis, Newell B. (III, 154)
 *Davis, Ruth (II, 30)
 Deaton, Linda (II, 75)
 Deaton, Lois (II, 68)
 Deffinbaugh, Mary A. (II, 29)
 Deforce, James A. (II, 119)
 DeGrange, Frances E. (II, 95½)
 DeLauder, John L. (III, 18)
 *Dengler, Jean (IV, 0)
 *Dennison, Katherine Petran (VI, 36)
 *Denunzio, Frank (IV, 0)
 *Derflinger, John W. (II, 59)
 DeSabra, Manuel A. N. (V, 0)
 DeSouza, Daniel A. (IV, 52)
 Deuterman, Linden (II, 0)
 *Devitt, G. R. (III, 30)
 DeVoe, Winifred (II, 54)
 DeWitt, John R. (II, 53)
 *Dickey, Alice E. (II, 0)
 Disney, Dorothy C. (II, 29)
 Dixon, Laura M. (VI, 26½)
 Dixon, Lester E. (VI, 58)
 Dobson, Eleanor R. (IV, 0)
 *Dodd, Elizabeth G. (IV, 13)
 Dodek, Fannie (V, 0)
 *Dodek, Oscar I. (IV, 31)
 *Dodek, Samuel (V, 105)
 Doran, Sarah L. (II, 88)
 Dorsey, Elizabeth (II, 0)
 Dortch, Jane M. (VI, 36)
 *Dotson, Anna C. (II, 12)
 Dougherty, Dorothy (II, 12)
 Douglas, Elsie Y. (IV, 98)
 *Dove, Elizabeth C. (II, 0)
 *Dowden, Elizabeth (II, 0)
 Drew, Alice E. (V, 51)
 Droll, Sophia R. (II, 15)
 *Ducharme, George E. (II, 26)
 *Duffee, Mary E. (VI, 0)
 Duffey, Depue H. (V, 0)
 *Dunham, Martha D. (II, 9)
- Mass. 1916 16th Street
 Md. Bureau Plant Life, Dept. of Agri.
 D. C. 3064 Que Street
 D. C. 2036 1st Street
 D. C. 1842 Calvert Street
 D. C. 2144 F Street
 Va. E. Falls Church, Va.
 Texas 2019 N Street
 D. C. 2307 Washington Circle
 Md. Forrestville, Md.
 Okla. Government Hotels
 D. C. 2219 California Street
 W. Va. 527 21st Street
 Me. 1758 N Street
 N. Y. 1721 Rhode Island Avenue
 Ind. 157 Kentucky Avenue, S. E.
 D. C. 201 S Street, N. E.
 D. C. 24 Sprague Avenue, Takoma Park, Md.
 Iowa 650 L Street, N. E.
 Mich. 3122 Warder Street
 D. C. 1758 N Street
 D. C. 914 Maryland Avenue, N. E.
 D. C. 2139 N Street
 Iowa 1908 H Street
 D. C. 1900 R Street
- Kans. 142 A Street, N. E.
 D. C. 2915 14th Street
 D. C. 2915 14th Street
 D. C. 2715 Connecticut Avenue
 Tenn. 116 Carrol Street, S. E.
 D. C. 3822 8th Street
 Fla. 2106 18 Street
 Kans. 124 3d Street, N. E.
 Ohio 315 John Marshall Place
 Ohio 315 John Marshall Place
 Md. Silver Spring, Md.
 Wash. 113 Webster Street
 D. C. 25 U Street, N. E.
 D. C. 1730 M Street
 D. C. 1627 19th Street
 Mex. 3419 14th Street
 D. C. 1213 E Street
 Va. Falls Church, Va.
 Panama 1719 Rhode Island Avenue
 Jamaica 1827 Park Road
 Va. Arlington, Va.
 Va. West Falls Church, Va.
 D. C. 1347 Otis Place,
 Ohio Damariscotta Apartments
 D. C. 1702 Kilbourne Place
 Okla. George Washington Inn
 N. Dak. 1104 M Street
 N. Y. 1618 H Street
 Md. Kensington, Md.
 D. C. 314 E. Capitol Street
 D. C. 3519 14th Street
 D. C. 1319 Emerson Street
 D. C. 1319 Emerson Street
 N. Y. Government Hotels
 D. C. 1521 31st Street
 D. C. 1510 Park Road
 Ill. 1321 M Street
 N. Y. 1474 Clifton Street
 Fla. 1445 Massachusetts Avenue
 D. C. 1756 Park Road
 D. C. 1010 Park Road
 Fla. 1922 Belmont Road
 Ohio 714 19th Street
 D. C. 1842 Calvert Street
 D. C. 1017 10th Street
 D. C. 929 O Street
 D. C. 1628 Columbia Road

- Dutton, Lillian B. (IV, 27)
 *Dworin, Anna (II, 0)
 *Early, Hazel (II, 0)
 Earnshaw, Eleanore (II, 112)
 *Earnshaw, Samuel (IV, 61)
 *Easterling, Esther M. (II, 6)
 *Eaton, Bernice (II, 3)
 Eckels, Mark W. (I, 0)
 Eckert, Esther (II, 71)
 *Eckman, Lulu L. (IV, 64)
 Eddingfield, Ora H. (II, 6)
 Eddins, Robert E. (IV, 45)
 Edgerton, John (IV, 0)
 Edmiston, Neva (VI, 0)
 Edmonston, Katherine (II, 30)
 Edmonston, Martha (II, 30)
 Elliott, Edith L. (II, 72)
 Ellis, Dorothy H. (IV, 0)
 *Erbach, Amalia M. (II, 38)
 Erlandson, Willis (IV, 0)
 Espey, Anna L. (II, 50)
 Evans, Clara R. (III, 14)
 *Evans, Rose E. (II, 3)
 Evans, Walter O. (IV, 70)
 *Evers, Edith (II, 0)
 Falwell, Elsie V. (II, 98)
 Faries, John S. (III, 43)
 Faris, Elizabeth (II, 28)
 *Fausnaugh, Mary E. (II, 35)
 *Feather, Roy E. (VI, 19)
 Feild, Robert B. (I, 26)
 Ferebee, Cora (II, 0)
 Fernald, Frances (II, 48)
 Fifield, Osgood E., Jr. (VI, 18)
 Finney, Edith E. (II, 0)
 *Fisher, Anna C. (II, 0)
 Fisher, Dale D. (VI, 24)
 Fisher, Frances M. (II, 0)
 Fisher, O. Edward (IV, 33)
 Fisk, Clarence (IV, 46)
 Fitzgerald, Francis (VI, 46)
 Flaacke, Frances G. (IV, 56½)
 Fletcher, Earl A. (IV, 24)
 Fletcher, John R. (IV, 6)
 Flohr, M. Carroll (V, 7)
 Flood, Lester C. (II, 0)
 Fly, W. Graham (VI, 18)
 Foley, Albert J. (IV, 25)
 Foley, William E. (III, 80)
 Folse, Lenard R. (IV, 64)
 Foltz, Eleanor B. (IV, 0)
 Foreman, Genevieve M. (VI, 90)
 †Forrest, Carver (II, 0)
 Fort, John E. (IV, 49)
 Foster, A. Evelyn (II, 0)
 Foster, Frances B. (II, 89)
 Foster, Ruth E. (II, 27)
 *Fouts, Edward L. (II, 30)
 Fouts, Robert M. (II, 41)
 Foxwell, Raymond K. (V, 0)
 Fradkin, William (V, 39)
 *France, Ramon (III, 56)
 Frank, Abner (IV, 0)
 *Freedman, Alexander (VI, 64)
 Freeman, Elsie (IV, 106)
 Freeman, Mary L. (IV, 0)
 French, Harry F. (III, 39)
 *Frey, John C. (IV, 122)
 Frost, Elizabeth S. (II, 50)
 Fuller, Gladys (II, 86)
 Furbershaw, James F. (VI, 27)
 Fusch, Emma Tom (II, 0)
 Gable, Paul, De Long (VI, 34)
 *Gagne, Joseph (V30)
 D. C. 6630 Georgia Avenue
 D. C. 3510 Center Street
 Ind. 1407 Buchanan Street
 D. C. 806 D Street, S. E.
 D. C. 806 D street, S. E.
 D. C. 3110 13th Street
 Ill. Government Hotels
 D. C. 701 Shepherd Street
 D. C. 3042 Newark Street
 Ohio 3724 Jocelyn Street
 Pa. 1440 Harvard Street
 Ala. 1436 Girard Street
 D. C. 1419 Columbia Road
 D. C. 3012 16th Street, N. E.
 D. C. 4817 Conduit Road
 D. C. 1441 Fairmont Street
 D. C. 1835 Monroe Street, N. E.
 D. C. 1333 Vermont Avenue
 D. C. 713 Massachusetts Ave, N. E.
 Wisc. 3533 Holmead Place
 D. C. 2010 First Street
 D. C. 634 E. Capitol Street
 Pa. 1515 Massachusetts Avenue
 Ky. 224 E Street, N. E.
 Md. Hyattsville, Md.
 W. Va. 144 12th Street, N. E.
 Neb. 2118 Pa. Avenue
 D. C. 1346 Harvard Street
 Ohio Government Hotels
 Pa. 1733 N Street,
 Tenn. Kendall Green
 D. C. 529 18th Street
 D. C. 206 Maryland Avenue, N. E.
 Ind. 1842 Calvert Street
 D. C. 456 Park Road
 D. C. Florence Courts
 D. C. 1842 Calvert Str.:st
 D. C. The Ontario
 Mich. Y. M. C. A.
 Md. Kensington, Md.
 D. C. 3116 Mt. Pleasant Street
 N. J. 101 Maryland Avenue, N. E.
 Va. Potomac Electric Power Co.
 D. C. 605 F Street
 D. C. 817 C Street, S. E.
 Conn. 46 Franklin Street, N. E.
 Ill. 1910 Connecticut Avenue
 D. C. 1733 N Street
 Mass. 1326 Vermont Avenue
 La. 2013 G Street
 Va. 76 Monmouth St., Cherrydale, Va.
 Ill. The Tuxedo
 Mo. 1833 M Street
 D. C. 4200 River Road
 D. C. The Chastleton
 D. C. The Woodley
 D. C. The Woodley
 D. C. 730 Quebec Street
 D. C. 730 Quebec Street
 D. C. The Chastleton
 N. Y. 315 7th Street, N. E.
 Tenn. 405 M Street, N. E.
 D. C. 640 G Street
 D. C. 3128 19th Street
 Ill. 1150 N. Capitol Street
 Tex. 1858 Mintwood Place
 Va. 633 Maryland Avenue, N. E.
 Ind. Y. M. C. A.
 Va. Fort Myer, Va.
 Ga. 1884 Columbia Road
 D. C. 80 R Street
 Tenn. 2115 P Street
 D. C. 607 8th Street, N. E.
 Mass. 804 Eye Street

- Gallagher, Phyllis C. (II, 54)
 Gannaway, Grace M. (II, 12)
 Gardella, Anthony (II, 0)
 Gardiner, Harold L. (IV, 0)
 Gardner, Allen H. (IV, 76)
 Gardner, Bessie R. (III, 40)
 †Garland, Margaret (II, 0)
 *Gaskill, Lorene M. (IV, 3)
 Geiger, John H. (II, 30)
 Geisler, William H. (V, 114)
 *Gensberg, Horace (IV, 0)
 George, Adelaide (II, 0)
 Gerry, Marjorie S. (II, 98)
 Gessford, Eleanor (I, 64)
 *Gewirz, Frances Robbin (III, 7)
 Gibbons, John M. (II, 58)
 *Gidney, Charles C. (IV, 0)
 Giesecking, Mildred N. (III, 0)
 Girdner, Kermit (II, 30)
 Girdner, William W. (IV, 96)
 Girts, Maxine L. (IV, 81)
 Glass, Jewell J. (II, 454)
 Gleason, Anne F. (IV, 0)
 *Glew, Donald H. (V, 0)
 Goddard, Eunice (III, 109)
 Goldman, Anna (IV, 20)
 Goodman, Alma B. (II, 0)
 Gorey, Marguerite L. (IV, 48)
 Gould, Miriam (II, 0)
 †Graham, Leah A. (0, II)
 Gram, H. B. (II, 12)
 Grass, Edward J. (V, 90)
 Graves, Warren (VI, 56)
 *Gray, Ulysses Sherman (IV, 133) Ala.
 Gray, W. Howard (IV, 0)
 Green, Marden P. (IV, 0)
 Greene, Charles T. (IV, 40)
 Greene, Margaret K. (II, 80½)
 Greene, Ruth G. (III, 32)
 Greene, William M. (VI, 45)
 Gregg, Helen E. (IV, 0)
 Gregory, Ruth (III, 0)
 Griffin, Lawrence D. (VI, 101)
 *Grigsby, Maude H. (II, 0)
 Grimes, Cora D. (II, 62)
 Grimes, Genevieve (I, 0)
 Grindell, May (II, 16)
 †Grissom, Estella (II, 0)
 Groesbeck, Dorothy (II, 0)
 Gropp, Paul E. (II, 90)
 Gruber, Herbert W. (II, 96)
 Guanella, Frances M. (II, 66)
 Haddox, Dorothy S. (II, 34)
 *Hagan, Jonathan Foster (IV, 112)
 Haines, Mary S. (IV, 47)
 Hall, Elizabeth F.
 *Hall, Elmer A. (II, 0)
 *Hall, Margery (II, 6)
 Hambrick, A. C. (II, 0)
 †Hamby, Edith L. (IV, 73½)
 Hamilton, Anna M. (II, 57)
 *Hamilton, William L. (VI, 0)
 *Hamlyn, Russell S. (IV, 0)
 Hammack, Paul W. (VI, 76)
 Hannagan, Catherine (II, 6)
 Hance, Emma O. (II, 13)
 Hanes, Stanley B. (VI, 0)
 Hanford, Catherine H. (II, 0)
 †Hanford, Robert W. (II, 0)
 Hanlin, George (III, 114)
 Hannigan, Isabell (III, 15)
 †Hansberry, Thomas (III, 97)
 Hansen, Carolyn D. (VI, 0)
 D. C. 1420 Harvard Street
 D. C. 1131 4th Street, N. E.
 D. C. 119 4th Street, N. E.
 R. I. The Toronto
 Pa. 1421 Buchanan Street
 Okla. 2117 G Street
 Ill. 1327 16th Street
 D. C. 1130 Buchanan Street
 D. C. 634 L Street, N. E.
 Calif. 1734 K Street
 D. C. 2044 20th Street
 Wyo. Kingsmith Studio
 D. C. 2944 Macomb Street
 D. C. 3123 13th Street
 D. C. 3225 Hiatt Place
 Pa. 914 Spring Road
 Texas 1912 16th Street
 Ill. 221 A Street, S. E.
 D. C. 6812 Laurel Avenue
 D. C. 6812 Laurel Avenue
 Pa. 1434 Harvard Street
 Miss. 133 Government Hotels
 D. C. 4941 Butterworth Place
 D. C. Cavanaugh Apartments
 Me. 112 Varnum Street
 D. C. 1103 5th Street
 D. C. Falkstone Courts
 Ill. 3658 Warder Street
 Md. N. W. Park, Bethesda, Md.
 Tenn. 1330 Massachusetts Avenue
 D. C. 1235 Girard Street
 D. C. 2024 Eye Street
 Mass. 1748 Que Street
 Ala. 1603 Massachusetts Avenue
 Nev. 1810 Connecticut Avenue
 D. C. 3301 Macomb Street
 Pa. New National Museum
 Ind. 1244 Irving Street
 D. C. 226 13th Street, S. W.
 Va. 1752 Que Street
 D. C. 1326 Columbia Road
 D. C. 2335 Ashmead Place
 Conn. 1326 Vermont Avenue
 Va. 639 Eye Street, N. E.
 Iowa 1737 Coreoran Street
 N. Y. 1435 Perry Place
 Mass. 1104 M Street
 Ill. 1361 Irving Street
 D. C. 1824 S Street
 Switzer-land 1607 28th Street
 Pa. 1419 E. Capitol Street
 Iowa 2022 F. Street, N. W.
 Md. Gaithersburg, Md.
 Va. Ballston, Va.
 Mo. 3228 Hiatt Place
 Conn. 1515 17th Street
 Fla. Y. M. C. A.
 Va. 417 Duke Street, Alexandria, Va.
 Miss. Mt. Vernon Place Church
 Mo. Government Hotels
 Pa. 626 D Street, N. E.
 D. C. Y. M. C. A.
 R. I. 1717 Oregon Street
 Va. 1719 Eye Street
 Pa. 1410 M Street
 Va. Cherrydale, Va.
 Va. 246 Woodward Building
 D. C. 3706 Keokuk Street
 Conn. 315 John Marshall Place
 Ky. 1321 11th Street
 Mich. 3646 New Hampshire Avenue
 Mass. 910 19th Street
 N. Y. The Chastleton

- Hanson, Forrest J. (VI, 0)
 Harding, Mary (IV, 0)
 Harper, H. B. (IV, 0)
 †Hartman, Douglas W. (IV, 60)
 *Harvey, William (I, 12)
 †Harrell, Maude B. (II, 0)
 Harriman, Henry O. (II, 54)
 Harris, Grace (II, 0)
 *Harris, Herbert C. (VI, 6)
 *Harris, Howard D. (VI, 0)
 Harris, Martha E. (II, 0)
 Hastings, Helen (II, 34)
 Haycraft, Ruth (II, 0)
 Hayes, Jack (IV, 0)
 Hayes, Janet C. (II, 0)
 *Hayes, Lucy M. (II, 0)
 *Hays, Cathryn, (II, 107)
 *Hazell, Joseph (III, 126)
 *Heath, Gladys M. (IV, 0)
 Heaton, Forrest F. (IV, 0)
 Heiges, Melville L. (V, 0)
 Heller, Dorothy M. (III, 0)
 Heller, Gladys (II, 0)
 Henderson, Edward (III, 85½)
 Henderson, Walter C. (III, 61)
 Hendry, Alma (II, 0)
 Henning, Beatrice (III, 91)
 Hess, Frederick J. (V, 28½)
 *Hester, Clinton M. (IV, 108)
 Hewitt, Dorothy M. (II, 0)
 Heyl, Alice (III, 27)
 Hint, Merrill L. (VI, 0)
 *Hatt, Mrs. Pearl (II, 0)
 Hicks, Ernestine (II, 0)
 Hicks, Harold W. (III, 0)
 Hicks, Katherine I. (II, 24)
 Hicks, Thelma (II, 0)
 Higgins, Edward J. (V, 57)
 Higgins, Thomas (II, 110)
 Hill, Alice F. (II, 86)
 Hill, Lillie L. (III, 31)
 Himes, Lois F. (II, 0)
 Himmelberger, Anna (IV, 0)
 Himmelfarb, Jean S. (IV, 51)
 *Hiner, Frank R. (VI, 30)
 Hines, Miriam L. (II, 12)
 Hinman, Wilbur S., Jr. (II, 0)
 Hipkins, William A. (VI, 0)
 *Hirsch, Winifred (II, 0)
 *Hixson, William A. (IV, 17)
 Hitchcock, Cecil (IV, 54)
 Hoage, Muriel H. (IV, 9)
 Hobbs, Elizabeth P. (II, 60)
 Hobbs, Haviland
 Hof, Anne C. (III, 68)
 Hohn, Allie (II, 0)
 Holmes, Mary F. (II, 12)
 Holmes, Ruth E. (II, 92)
 *Holmgren, Samuel T. (IV, 128)
 Hooks, Lillian F. (IV, 89)
 Hoover, Elbert C. (V, 35)
 *Horamy, E. E. (II, 0)
 *Horan, Katherine (II, 78)
 *Horan, Vera (II, 0)
 Horbett, John E. (IV, 24)
 Hord, Thelma Y. (III, 0)
 *Horner, Eleanor (II, 0)
 *Hoskinson, Florence (II, 0)
 Hosmer, Harriet (IV, 60)
 Hottel, Guy L. (VI, 60)
 Howard, Dorothy (II, 40)
 Howard, Harold B. (I, 0)
 Howe, Sarah L. (II, 0)
 D. C. 2835 27th Street, N. E.
 Ky. Hotel Gordon
 Ill. 919 L Street
 Wisc. 2007 F Street
 D. C. Kenilworth, D. C.
 Va. West Falls Church, Va.
 D. C. 3810 Alton Place
 D. C. 1500 Decatur Street
 N. Dak. 144 12th Street, N. E.
 Ohio 311 North Carolina Avenue, S. E.
 D. C. Government Hotels
 D. C. 3600 Ordway Street
 D. C. 16 Randolph Place
 D. C. 1831 Belmont Road
 Wyo. 1110 Lamont Street
 D. C. 5512 Carolina Place, Potomac Heights
 Mo. The Mendota
 D. C. The Dresden
 N. Y. Government Hotels
 D. C. 756 Quebec Street
 D. C. 7223 Blair Road
 Ind. 1 N. Lawton Ave., Clarendon, Va.
 Ind. 1 N. Lawton Ave., Clarendon, Va.
 Ohio 1241 Dept. of Interior Building
 Mont. 4727 13th Street
 D. C. Ellicott St., Chevy Chase, D. C.
 Calif. 2701 Connecticut Avenue
 D. C. 2407 12th Street, N. E. H.
 D. C. 1308 Connecticut Avenue
 D. C. 676 4th Street, N. E.
 D. C. 1315 Fairmont Street
 D. C. 1316 13th Street
 Iowa Brentwood, Md.
 D. C. George Washington Inn Hotel
 D. C. 1738 F Street
 N. Y. Government Hotels
 Ariz. 1318 L Street
 Mass. 1758 N Street
 D. C. 1302 Delafield Place
 D. C. 11 R Street, N. E.
 D. C. 309 South Carolina Ave., S. E.
 D. C. 1427 Chapin Street
 Pa. 1517 Rhode Island Avenue
 D. C. 1430 6th Street
 Mich. 1316 Euclid Street
 Okla. 1104 M Street
 Va. Falls Church, Va.
 D. C. 1106 Columbia Road
 D. C. 2032 N. Capitol Street
 D. C. 624 Irving Street
 D. C. 406 Adams Street, N. E.
 D. C. 2000 H Street
 D. C. 2821 27th Street
 D. C. 630 Rock Creek Church Road
 D. C. 1831 Belmont Road
 D. C. 1400 28th Street, S. E.
 N. Y. 1104 M Street
 Md. Rockville, Md.
 N. H. Y. M. C. A.
 N. C. 1429 Clifton Street
 D. C. 2221 1st Street
 Okla. 2518 17th Street
 D. C. 901 21st Street
 Ill. 4113 7th Street
 D. C. 1223 Fairmont Street
 Md. The Monterey Apartments
 Pa. 1414 Massachusetts Avenue
 D. C. 4219 River Road
 Calif. Government Hotels
 Va. 602 Carroll Avenue
 D. C. 815 Taylor Street
 D. C. 5100 14th Street
 N. Y. 3312 Holmead Place

- *Huber, Kathryn W. (II, 0)
 *Huff, M. Ramoth (III, 0)
 *Hughes, Clarence (II, 0)
 *Hughes, Charles W. (III, 120)
 Hughes, Helen G. (II, 34)
 Hughes, Margaret E. (II, 0)
 †Hull, Esther (II, 80)
 *Hull, Harriet B. (II, 4)
 Hull, Winifred S. (III, 18)
 Hultz, Louise (II, 4)
 Hummer, J. Earl (III, 88½)
 Humphrey, Omar C. (III, 92)
 *Hunt, Beatrice (IV, 66)
 †Hunt, Hannah R. (IV, 77)
 Hunt, Thelma (III, 36)
 Hunt, William P. (VI, 0)
 Hurlbut, Susan (I, 11)
 Hurley, Alfred B. (III, 0)
 *Hurley, Fitzhugh L. (IV, 149)
 Hurley, Mary F. (IV, 33)
 Hutchinson, Gilbert (VI, 0)
 Hutchinson, Granville R. (VI, 54)
 Hyatt, Fern (II, 48)
 Hyslop, Mina C. (II, 51)
 *Imlay, Miles H. (VI, 0)
 Iseman, Gladys M. (II, 0)
 Jackson, A. Leslie (IV, 105)
 Jackson, Eugene K. (III, 0)
 *Jacobs, Eva R. (II, 0)
 James, Leland F. (IV, 0)
 James, Virginia H. (II, 24)
 James, William (II, 0)
 Jarvis, Evelyn (II, 0)
 Jarvis, Irene L. (II, 0)
 *Jenkins, Francis M. (V, 21)
 †Jensen, Emma (V, 130)
 Jerdone, Frank H. (IV, 0)
 Jex, Garnet (III, 12)
 Johnson, Ethel M. (II, 48)
 Johnson, Harry (VI, 31)
 *Johnson, Jessie (III, 0)
 Johnson, Lester D. (IV, 54)
 Johnson, Lester W. (IV, 106)
 Johnson, Mary P. (II, 90)
 Johnson, Paul G. (VI, 0)
 Johnson, Rudolph (II, 0)
 *Johnston, Kenneth (IV, 130)
 Jones, Arthur L. (VI, 87)
 Jones, Ellsworth D. (IV, 15)
 Jones, H. C. H. (IV, 20½)
 Jorgenson, Milton (IV, 0)
 *Joynt, Stephen (VI, 44)
 Judson, Elbert B. (II, 6)
 Kaplovitz, Rebecca (I, 61)
 Kar, A. Kenneth (IV, 40)
 Katz, Elias (IV, 0)
 *Katz, Leon (IV, 56)
 Kaufmann, Joseph A. (IV, 0)
 Kayser, Marjorie L. (II, 87)
 Kean, James C. (IV, 0)
 Keane, Mary K. (II, 0)
 Keefer, Charlotte M. (II, 44)
 *Keeher, Thomas F. (IV, 18)
 Keleher, Edith R. (IV, 25)
 *Keller, Lyla C. (II, 0)
 *Kellner, Mary E. (I, 0)
 Kellogg, Grace (IV, 38)
 Kelsor, Eveline H. (II, 6)
 *Kemman, Hugo A. (IV, 151)
 Kennedy, Harold (III, 74)
 *Kennedy, John A. (IV, 0)
 Kennedy, Marjorie (II, 0)
 Kennelly, Anna M. (VI, 0)
 Kenneth, Valla (II, 0)
- Pa. 516 Aspen Street
 D. C. 3038 Dumbarton Avenue
 Va. 1633 Hobart Street
 Md. 2945 Tilden Street
 D. C. 232 6th Street, S. E.
 D. C. 210 8th Street, N. E.
 Mass. 238 Government Hotels
 Ill. 3615 Wisconsin Avenue
 Md. 1450 Harvard Street
 Ind. 808 21st Street
 D. C. 1237 Kenyon Street
 D. C. 1135 Genoa Street, N. E.
 Texas 1475 Columbia Road
 D. C. Ballston, Va.
 Md. Berwyn, Md.
 N. Y. 338 Maryland Avenue, N. E.
 Mo. 1345 Vermont Avenue
 D. C. 222 14th Street, N. E.
 N. C. 1603 Massachusetts Avenue
 D. C. 676 4th Street, N. E.
 D. C. 1701 Kilbourne Street
 Va. 1733 N Street
 Texas Government Hotels
 Mo. 1801 G Street
 D. C. 106 Raymond Street, C. C., Md.
 Ohio 3227 11th Street
 Texas 1813 Columbia Road
 Va. 126 N. Columbus St., Alex., Va.
 D. C. 607 Harvard Street
 D. C. 1200 18th Street
 Md. 1436 N Street
 D. C. 1816 S Street
 D. C. 1408 Girard Street
 D. C. 2515 Park Place, S. E.
 D. C. 614 Eye Street, S. E.
 Ill. Central High School
 Va. 1916 16th Street
 D. C. 611 Orleans Place, N. E.
 Ohio 1114 Vermont Avenue
 D. C. 831 Rittenhouse Street
 D. C. Colonial Hotel
 Ill. 1809 G Street
 Ill. 1758 N Street
 D. C. 4538 Reno Road, Chevy Chase
 Wis. 814 22d Street
 D. C. 1021 9th Street
 Nebr. The Kenyon Apartments
 Pa. 1723 G Street
 Va. 45 Cruik Lane, Cherrydale, Va.
 D. C. 1733 N Street
 S. Dak. 437 Senate Office Building
 N. Y. 725 19th Street
 D. C. 4206 River Road,
 N. J. 1607 7th Street
 D. C. 2466 Ontario Road
 N. Y. 1115 6th Street
 D. C. 311 Taylor Street
 Va. 217 S. Pitt Street, Alexandria, Va.
 D. C. 1908 Eye Street
 Mo. 1905 Eye Street
 D. C. 1726 Kilbourne Place
 D. C. 2725 13th Street, N. E.
 R. I. 937 O Street
 D. C. 118 11th Street, S. E.
 Wisc. 1333 F Street
 Ky. Government Hotels
 D. C. 36 Rhode Island Avenue, N. E.
 D. C. 1432 Meridian Place
 Iowa Walter Reed Hospital
 D. C. 1717 E. Capitol Street
 Minn. 1775 Church Street
 Md. 34 Wine Avenue, Hyattsville, Md.
 D. C. 627 Pennsylvania Avenue, S. E.
 D. C. 1204 Monroe Street

- Kenney, Mary B. (II, 57½)
 *Kenovski, Alphonse (II, 0)
 Kent, John (IV, 0)
 Kessler, Yetta R. (II, 6)
 Ketcham, John C. (VI, 0)
 Keys, Olive M. (II, 6)
 *Killian, Rose S. (II, 13)
 Killinger, Clara (II, 3)
 Kilpatrick, Edna (II, 0)
 *Kingsbury, Dorothy E. (IV, 122)
 Kinney, Olive C. (IV, 7½)
 Kisling, Charlyemagne (II, 0)
 Klein, Margaret A. (IV, 0)
 *Knappen, Phoebe M. (II, 36)
 †Knetchel, Maxwell (III, 103)
 Knock, Barrett (IV, 0)
 Knowles, Arthur E. (VI, 95½)
 Kostmayer, Kate G. (II, 48)
 Kotterman, Chester A. (VI, 30)
 Kuhlmann, Dorothy M. (II, 45)
 Kushney, Irene (II, 0)
 Kutz, Miriam L. (II, 70)
 Kyle, Emily P. (II, 0)
 Lacy, Ethel A. (III, 8)
 Lacy, Katherine (I, 0)
 Lacy, Samuel W. (VI, 70)
 Ladd, Daniel M. (IV, 16)
 Ladd, Dorothy (II, 64)
 *Lake, Lola (II, 16)
 Lake, Orion A. (VI, 74)
 Lane, Guy W. (IV, 0)
 *Laney, L. Vesta (II, 12)
 Lang, Idamay (II, 34)
 Langer, Clayton W. (VI, 0)
 Langston, Raymond P. (VI, 3)
 Lantel, Catherine M. (II, 32)
 *Lavery, Thomas C. (IV, 105)
 Lawrence, Anne T. (II, 64)
 *Lawrence, Thomas L. (IV, 0)
 Leaman, Kathryn U. (II, 0)
 †Lechleider, Joseph (II, 0)
 Lederer, Melvin E. (IV, 0)
 Lee, Agnes I. (II, 80)
 Lee, Harry P. (V, 95½)
 Lee, John H. (III, 11)
 Lee, Sik-Pin (IV, 0)
 *Leech, Clara E. (II, 0)
 Leedy, Nellie G. (II, 101)
 Lefebvre, Rose M. (IV, 40)
 Lemon, Mary L. (II, 0)
 Lesser, Isador (IV, 20)
 *Levine, Daniel A. (V, 0)
 Levinson, Joseph (IV, 0)
 Lewis, Eva A. (II, 0)
 Lewis, Madge (IV, 21)
 L'Heureux, Herve J. (VI, 21)
 *Lichtman, Abraham (IV, 0)
 Lichtman, Samuel D. (IV, 0)
 *Liddy, Alberta S. (II, 6)
 Lile, Carolyn W. (IV, 33)
 Liles, Mary Virginia (II, 0)
 Lindsey, Melville C. (IV, 0)
 Lindsey, Irving (III, 3)
 Linehan, Ella C. (II, 42)
 Lingo, Florence T. (IV, 92)
 Lischka, Charles N. (I, 0)
 Littell, Marion M. (II, 0)
 Livingston, Grace A. (II, 18)
 *Lobdell, David L. (IV, 0)
 *Loeb, Hyman (V, 16)
 Long, Florence A. (II, 21)
 Long, Pauline Y. (II, 0)
 Del.
 Pa.
 D. C.
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 Minn.
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 Va.
 Mass.
 Va.
 Hungary
 D. C.
 Ind.
 Kans.
 D. C.
 Va.
 D. C.
 Government Hotels
 1023 15th Street
 3126 O Street
 3515 New Hampshire Avenue
 House Office Building
 1825 Monroe Street
 1733 1st Street
 1726 M Street
 801 Jefferson Street
 Government Hotels
 1349 Girard Street
 Wardman Park Hotel
 3519 10th Street
 2925 Tilden Street
 1419 22d Street
 3423 14th Street
 1011 New Hampshire Avenue
 Hotel Gordon
 2611 Adams Mill Road
 1712 16th Street
 101 14th Street, S. E.
 1916 G Street
 The Argyle
 1434 Harvard Street
 7213 Blair Road
 Box 323, Pennsylvania Ave. Sta.
 121 Willow Avenue, Takoma Park,
 Md.
 6109 Brookville Road, Chevy
 Chase, Md.
 1414 Girard Street
 P. O. Box 3693, City
 1908 H Street
 1726 M Street
 25 Adams Street
 1826 Calvert Street
 1736 G Street
 810 Massachusetts Avenue, N. E.
 1435 K Street
 207 Argyle Apartments
 1514 17th Street
 1733 F Street
 315 T Street, N. E.
 1157 Morse Street, N. E.
 327 10th Street, N. E.
 1310 Belmont Street
 41 T Street
 326 C Street
 2702 Cathedral Avenue
 1201 E. Capitol Street
 1517 Rhode Island Avenue
 202 Florence Courts
 300 Virginia Ave., Clarendon,
 1319 Emerson Street
 1725 Euclid Street
 5708 Broad Branch Road
 1723 G Street
 645 5th Street, N. E.
 1744 7th Street
 1626 7th Street
 1751 New Hampshire Avenue
 1826 Massachusetts Avenue
 1417 K Street
 1427 Longfellow Street
 1009 Gibbon St., Alexandria, Va.
 Government Hotels
 1731 Columbia Road
 4406 Georgia Avenue
 3704 Porter Street
 1726 M Street
 Cathedral Mansions
 609 8th Street, S. W.
 15th and H, South Building
 909 Monroe Street

- Loomis, Helen M. (III, 74)
 †Loveland, Ailene J. (IV, 0)
 Lowman, Morris (III, 84)
 †Lowrey, Mary A. (IV, 0)
 Lubber, Harold E. (IV, 0)
 *Luchs, Bert M. (IV, 0)
 †Ludwig, Robert E. (IV, 30)
 Lund, Phoebe M. (V, 43)
 Lupton, Josephine K. (II, 28)
 Lutz, Carl (II, 101)
 McBeth, Frank H. (II, 39)
 McCabe, William (IV, 37)
 *McCarmack, Josefa (II, 0)
 McCarthy, Leonard D. (V, 24)
 *McCartney, Fred J. (VI, 0)
 McCauley, Alice O. (IV, 56)
 McClay, Harold R. (IV, 0)
 McClosky, William (V, 115)
 †McClure, Earl C. (VI, 18)
 McCord, Anita (II, 31)
 McCoy, Carroll A. (V, 36)
 McCoy, Harold D. (IV, 51)
 McCullough, Gladys (II, 59)
 McDonnell, John (II, 0)
 *McDonnell, Pauline (IV, 0)
 McDonough, Marguerite (IV, 9)
 McDougle, Leonidas (II, 0)
 McElroy, Cathryn (II, 91)
 McElroy, Florence A. (II, 24)
 *McGarvin, Elsie M. (IV, 30)
 McGehee, Dallas I. (II, 0)
 McGrath, Robert (V, 126)
 *McGuire, Erskine (VI, 0)
 *McGuire, Mary B. (II, 0)
 *McKenzie, James Paul (VI, 0)
 †McKenzie, James Chase (II, 0)
 †McLaughlin, John T. (IV, 0)
 McLeod, Blair (III, 0)
 *McLeod, Mrs. J. K. (IV, 27)
 McMurehy, Anne E. (II, 60)
 McNeil, Robert (IV, 69)
 McNieh, Alvin G. (II, 65)
 McPherson, Richard K. (IV, 6)
 †MacDonald J. R. (VI, 16)
 †Deceased.
 MacDuff, Russell U. (IV, II)
 MacEwen, Harold E. (IV, 6)
 *Mackey, Alice R. (IV, 17)
 MacLeod, Robert R. (IV, 0)
 *Macrae, Calvin (IV, 0)
 *Maddox, Arthur L. (IV, 0)
 Magner, Rose G. (IV, 36)
 Mague, Roscoe E. (VI, 80)
 *Mahon, Thomas H. (VI, 0)
 Mahoney, Catherine (V, 0)
 Malone, Marion R. (II, 50)
 Mangum, James E. (II, 78)
 Manion, Esther A. (II, 0)
 Manning, Dorothy (II, 12)
 Manson, Earle W. (IV, 58)
 Manson, Ruth V. (II, 0)
 Marchetti, Orville (IV, 30)
 Marmion, Louis P. (VI, 0)
 *Marquis, Merth (IV, 77)
 Marquis, Ronald N. (IV, 64)
 Marshall, Murray L. (IV, 38)
 Martin, James L. (VI, 0)
 *Martin, Robert B. (IV, 0)
 Mason, Ethel L. (II, 48)
 Mason, John R. (II, 122)
 Mathews, Catherine (II, 0)
 Mattox, Virginia (II, 12)
 Mauney, Estelle (III, 19)
 *Maxam, Mary A. (II, 33)
 N. Y. 1324 Otis Place
 D. C. 133 F Street
 D. C. 710 Quincy Street
 Miss. 231 House Office Building
 D. C. 232 N. Street
 D. C. Clifton Terrace
 Md. 804 Maryland Avenue
 D. C. 1710 Eye Street
 D. C. 1719 Euclid Street
 Ill. 2013 Hillier Place
 D. C. 2912 16th Street, N. E.
 Utah 2466 Ontario Road
 D. C. Chastleton Apartment
 D. C. 219 T Street, N. E.
 Mass. 1430 33d Street
 D. C. 1354 Monroe Street
 Md. Hyattsville, Md.
 D. C. 2205 Chamberlain Street
 D. C. 918 K Street, S. E.
 D. C. 1711 Euclid Street
 D. C. 2407 12th Street, N. E.
 Wis. 100 5th Street, N. E.
 D. C. 401 3d Street
 D. C. 3428 Albemarle Street
 D. C. 3421 Mt. Pleasant Street
 D. C. 2309 Wasington Circle
 D. C. 120 B Street, N. E.
 D. C. 3400 Macomb Street
 D. C. 1441 E Street, S. E.
 D. C. 2412 N. Capitol Street
 D. C. 222 11th Street, S. W.
 D. C. 1201 Que Street
 D. C. The Chastleton
 D. C. 3204 19th Street
 Iowa 1625 You Street
 Mass. 515 L Street
 N. H. 1248 Monroe Street
 Miss. 212 King Street, Alexandria, Va.
 N. Dak. 1223 12th Street
 D. C. 1339 Quincy Street
 D. C. 1210 Decatur Street
 D. C. 608 H Street
 Mo. The Hadleigh
 N. C. 1736 G Street
 D. C. 621 19th Street
 N. Y. 1736 G Street
 Va. Rosslyn, Va.
 Va. 6 Arlington Terrace, Rosslyn, Va.
 D. C. 1734 K Street
 Tenn. 1606 17th Street
 N. Y. 2310 20th Street
 Mass. Cavanaugh Courts
 Mass. The Chastleton
 D. C. 1306 13th Street
 D. C. 2343 Green Street, S. E.
 Ga. The Maury
 D. C. 1901 K Street
 D. C. 4701 Fessenden Street
 D. C. 119 W Street
 D. C. 119 W. Street
 D. C. 1277 New Hampshire Avenue
 D. C. 1434 Harvard Street
 Okla. 2129 G Street
 Okla. 2129 G Street
 Md. Landover, Md.
 D. C. 323 13th Street, S. E.
 Va. 205 New Jersey Avenue, S. E.
 D. C. 308 B Street, N. E.
 D. C. 1842 Calvert Street
 D. C. 732 Rock Creek Church Road
 Va. 1827 Corcoran Street
 N. C. 52 Rhode Island Avenue
 D. C. 1760 Euclid Street

- †Mayo, Bernard J. (IV, 62)
 Mayo, Novella (II, 45)
 Mazourek, Marie (VI, 0)
 Mears, Jesse K. (IV, 89)
 Medford, Theodore L. (II, 0)
 Meeds, Robert E. (VI, 26)
 Mendelson, Israel (III, 74)
 Mensh, Benjamin F. (IV, 0)
 *Merdian, Bertha (II, 50½)
 †Merigold, Marguerite (II, 0)
 *Meriwether, Yancey (II, 36)
 Merriam, Jean W. (II, 0)
 Merrick, Harold (IV, 0)
 Merritt, Virginia (II, 30)
 Mertz, Paul W. (II, 0)
 Messer, Agnes H. (II, 93)
 Metzgerott, John H. (IV, 89½)
 Middelwaart, W. Herschel (IV, 62¼)
 Miller, Carrie M. (VI, 79)
 Miller, Elvan A. (III, 88½)
 Miller, Leonard P. (VI, 0)
 Miller, Maurice (VI, 103)
 *Minna, Philip (IV, 0)
 Minor, John (IV, 24)
 Mitchell, Clarence (VI, 0)
 Moddlemog, Louise (II, 0)
 Monahan, Leo (IV, 0)
 *Monatte, Helen (II, 0)
 *Moncure, Eliza M. (II, 33)
 Montague, L. Gordon (III, 81)
 *Montgomery, James E. (VI, 110)
 Montgomery, Ralph V. (IV, 54)
 Moore, Howard P. (IV, 0)
 Moore, Morrow H. (II, 0)
 Moore, Ruth R. (II, 0)
 Moorehouse, Hallie (II, 0)
 Morehouse, Mortimer B. (VI, 87)
 Morgan, Eva (III, 36)
 Morgan, Sidney (VI, 11)
 *Morley, Clarence (IV, 32)
 Morse, Victoria W. (II, 0)
 Mosely, Elizabeth (IV, 70)
 *Moskey, Henry (V, 0)
 Moulton, Edward (VI, 102)
 *Moulton, Parthia (IV, 23)
 Mount, Thomas K. (IV, 0)
 †Moy, Steven C. (III, 0)
 †Moyer, Ada L. (II, 9)
 Murphy, Alice (III, 14)
 *Murphy, Jeremiah V. (IV, 0)
 Murphy, John C. (II, 42)
 Murray, I. Mildred (IV, 42)
 Murrill, Minnie (II, 97)
 Musson, Helen (VI, 0)
 Myers, Edythe J. (II, 22½)
 Myers, Walter C. (IV, 24)
 Neo, Agnes (IV, 0)
 Nelson, Esther (II, 18)
 *Nelson, Robert M. (II, 0)
 Nettleton, Malvern (II, 54)
 Neviaser, Arnold H. (V, 30)
 Neviaser, Julius (IV, 75)
 *Nevius, Louise F. (IV, 0)
 Newby, Robert E. (IV, 35)
 *Newell, Roger S. (IV, 125)
 *Newman, Hobart (IV, 0)
 Newton, Helen (II, 58)
 Nichols, John M. (IV, 21)
 *Nickless, Christopher W. (IV, 0)
 Niemeyer, Ernestine H. (II, 61)
 Noel, Faye (VI, 12)
 Noll, Hazel (IV, 6)
 *Norris, Helen G. (IV, 0)
 Me. 1321 N Street
 La. 2019 N Street
 D. C. 915 20th Street
 Ohio 1003 New Hampshire Avenue
 D. C. 1631 3d Street
 D. C. 1235 Irving Street, N. E.
 D. C. 2919 M Street
 D. C. 2328 Ontario Road
 Ill. 1709 Rhode Island Avenue
 Ky. 1801 K Street
 D. C. 23 Iowa Circle
 D. C. 1822 Eye Street
 D. C. 1301 Massachusetts Avenue
 D. C. 25 Grafton Street
 Ind. 11 S Street
 D. C. 3504 Macomb Street
 D. C. 3504 16th Street
 D. C. 2611 Adams Mill Road
 Mo. 607 3d Street
 Pa. 1905 H Street
 Va. Oakton, Va.
 D. C. 4225 17th Street
 Korea 905 Continental Trust Company
 Ky. 1440 R Street
 D. C. 402 10th Street, N. E.
 Kans. 1104 M Street
 R. I. 1319 Harvard Street
 N. Y. Government Hotels
 D. C. Woodworth Apartment
 Wisc. 2627 Garfield Place
 Ind. The Maury
 Ind. The Maury
 D. C. 17 6th Street, S. E.
 D. C. 66 Rhode Island Avenue
 Kans. 36 Adams Street
 Ore. 1012 22d Street
 D. C. 1526 O Street
 Ill. 1104 M Street
 Pa. 1511 22d Street
 Colo. 1758 N Street
 N. H. 10 Rhode Island Avenue
 Texas 1517 Rhode Island Avenue
 Md. 1330 Gallatin Street
 Ill. 1419 Girard Street
 Md. 628 Lamont Street
 D. C. U. S. Court of Claims
 Calif. 510 9th Street
 Ohio Government Hotels
 Mass. 610 Lexington Place, N. E.
 Mass. Palm Beach, Florida. Care E. B. McLean
 Vt. 3125 Mt. Pleasant Street
 Pa. 1308 Connecticut Avenue
 Va. Allies Inn
 D. C. 16 Randolph Place
 Ohio 4214 4th Street
 D. C. 3226 Warder Street
 D. C. 1341 Girard Street
 Ill. 317 7th Street, N. E.
 D. C. House Office Building, No. 312
 D. C. 1746 Euclid Street
 D. C. 512 3d Street
 D. C. 512 3d Street
 D. C. 3033 16th Street
 D. C. 1222 Euclid Street
 D. C. 1829 Phelps Place
 D. C. 2600 Tilden Street
 D. C. 1625 R Street
 D. C. 3320 16th Street
 D. C. 2628 Monroe Street, N. E.
 D. C. 1708 Lawrence Street, N. E.
 Iowa 1717 East Capitol Street
 Pa. 1249 Irving Street
 Md. 1206 G Street

- Norvell, Grace R. (IV, 86)
 †Nowak, Raymond (III, 0)
 Ober, Mary K. (II, 0)
 O'Connor, George (IV, 28½)
 O'Connor, Joseph (V, 0)
 *O'Dea, Marie (III, 109)
 O'Donnell, Lambert (IV, 24)
 †O'Donnell, Roger (V, 0)
 *O'Flaherty, Daniel (II, 120)
 Ohlander, Lyle W. (IV, 36)
 *Okey, Carolyn M. (III, 0)
 *Opdyke, Myrtle M. (II, 6)
 Orr, Kathryn (II, 0)
 Ortega, Julian (IV, 75½)
 *Orth, Helen (III, 0)
 *Orton, Clarence (III, 22½)
 *Ostmann, Bernard (IV, 0)
 *Ostrow, Aaron H. (VI, 27)
 *Ottenberg, Gilbert (V, 120)
 *Ourand, Margaret (II, 0)
 Overstreet, Alice R. (II, 22)
 Overstreet, Dorothy (II, 65)
 †Owen, William O. (III, 3)
 *Pagter, Charles (III, 109)
 *Pagter, Mina Amelung (II, 57)
 Palomar, Guadisa (II, 82)
 *Parkinson, Grace (IV, 9)
 Parks, Ruth A. (II, 43)
 †Parrot, Alexandria (II, 0)
 *Parson, Billy O. (IV, 0)
 Pasternak, Alfred (IV, 40)
 *Patterson, Homer S. (IV, 99)
 Patterson, John T. (IV, 21)
 †Patterson, Margaret K. (IV, 5)
 *Pattison, Dorothy (II, 29)
 Peake, Isidore (V, 93)
 Periam, Helen J. (II, 18)
 Perry, Dorothy (II, 0)
 Petar, Alice V. (II, 0)
 †Peters, Ruth F. (II, 0)
 Peterson, Caroline E. (VI, 82)
 *Pfeiffer, Karl G. (VI, 0)
 Pfeiffer, Katherine (III, 0)
 Philibert, Helene M. (IV, 4)
 Philipps, Arletta (VI, 25)
 Phillips, Dale (VI, 0)
 Phillips, George W. (VI, 5)
 *Phillips, Joseph (VI, 47½)
 Phillips, Ruth (II, 28)
 *Phoebus, Gladys E. (III, 87)
 *Pierrot, Albert O. (II, 0)
 Pittman, Estelle M. (II, 39)
 Plugge, Norman (IV, 32)
 Poage, Walter S. (IV, 21½)
 Pohl, Erwin R. (II, 0)
 *Point, Esther E. (VI, 0)
 Pollock, Robert W. (IV, 6)
 Poole, Martha S. (II, 0)
 Pope, Gladys A. (III, 68)
 *Poppescu, Valentina C. (IV, 0)
 *Porton, Edward (IV, 0)
 Potts, J. Bernard (IV, 36)
 Preece, John A. (V, 42½)
 Prentice, Nola (II, 0)
 Presbrey, Newell (I, 0)
 *Price, Madge (II, 20½)
 Price, Mary E. (II, 36)
 *Priehard, James M. (II, 38)
 Pucci, Dominic L. (II, 33)
 Purdin, Mable L. (II, 0)
 Purse, Grace (IV, 47)
 Pyle, Theresa P. (II, 50)
 Mo. 1357 Meridian Place
 Ohio 2254 Cathedral Avenue
 D. C. 125 B Street, S. E.
 D. C. 1436 V Street
 N. Y. 1147 New Hampshire Avenue
 Md. 825 13th Street, N. E.
 D. C. 3509 Macomb Street
 N. Y. 3509 Macomb Street
 Va. 2 Jefferson Avenue, South Wash-
 ington, Va.
 D. C. 3107 24th Street, N. E.
 Ill. Government Hotels
 N. J. Government Hotels
 N. Y. Government Hotels
 Phil. Is. 2015 G Street
 D. C. 1838 Jackson Street, N. E.
 Neb. Sherman and Garfield Streets,
 Hyattsville, Md.
 D. C. 3910 Georgia Avenue
 Russia 1414 12th Street
 D. C. 1243 7th Street
 D. C. 2118 1st Street
 D. C. 222 East Capitol Street
 D. C. 1426 Buchanan Street
 N. Y. 2719 Ontario Road
 D. C. 903 Buchanan Street
 Ohio 2004 G Street
 Phil. Is. 1729 East Capitol Street
 Iowa Government Hotels
 Mass. 1420 R Street
 Canada The Portner
 D. C. Y. M. C. A.
 D. C. 4102 Hamson St., Chevy Chase
 Ga. 1832 Biltmore Street
 D. C. 1333 Park Road,
 Mo. 1008 E Capitol St
 D. C. 2808 27th Street
 D. C. 100 6th Street, S. E.
 N. J. 1104 M Street,
 Texas The Sherman
 D. C. 4604 Georgia Avenue
 Mich. 3650 Warder Street
 Calif. 116 2d Street, E. S.
 D. C. 3514 13th Street
 D. C. 3514 13th Street
 Mo. Maury Apartments
 D. C. 1348 Jefferson Street
 D. C. 1433 Shepherd Street
 Ill. 610 Longfellow Street
 Mo. 919 H Street
 D. C. 3823 New Hampshire Avenue
 D. C. 222 Park Ave., Takoma Pk., D. C.
 N. J. 3815 14th Street
 Ohio 105 Thornapple Street, C. C., Md.
 D. C. 1310 13th Street
 Va. 1424 K Street
 D. C. 717 21st Street
 Iowa Government Hotels
 D. C. 1315 Clifton Street
 D. C. 1520 R Street
 D. C. 3214 Newark Street
 D. C. 724 7th Street, S. E.
 D. C. 1431 Crittenden Street
 D. C. 534 20th Street
 D. C. 1511 22d Street
 Texas 815 Connecticut Avenue
 N. J. 1916 16th Street
 Kans. 2009 N Street
 Md. 1370 Kenyon Street
 Calif. 706 Arlington Building
 Mich. 3212 McKinley St., Chevy Chase
 Mo. Government Hotels
 D. C. Jewett and Weaver Streets
 D. C. 1601 S Street

Quarton, William (IV, 28)	Iowa	1312 N Street
Quick, Mary E. (IV, 63)	Va.	Clarendon, Va.
Rafferty, Leo J. (IV, 76)	Pa.	1326 Vermont Avenue
Ragan, E. J. (II, 0)	Mo.	1431 Newton Street
Ramage, Elizabeth H. (V, 16)	Va.	Alexandria, Va., Box 233
Ramage, Josephine C. (II, 17½)	Va.	Alexandria, Va., Box 233
Ramsey, Margaret C. (II, 63)	D. C.	813 Massachusetts Avenue, N. E.
Randall, Lorena (II, 36)	Md.	209 Maple Avenue, Takoma Pk., Md.
†Randolph, Agnes (VI, 0)	Ill.	834 Madison Street
Randolph, Clara (II, 51)	Ill.	834 Madison Street
†Randolph, Dorothy (II, 0)	N. J.	1741 P Street
Randolph, Frances (II, 0)	D. C.	2805 13th Street, N. E.
†Rappolee, Edward (IV, 9)	D. C.	Library of Congress
Ransome, Janet (III, 25)	D. C.	1455 Belmont Street
Rauchenstein, Helen (III, 60)	D. C.	507 7th Street, S. E.
Rawlings, Mary (II, 24)	D. C.	101 Primrose, Chevy Chase, Md.
Rea, Virginia (II, 0)	D. C.	3601 Lowell Street
Reagle, Hilda R. (IV, 36)	D. C.	71 V Street
Reardon, Lucy (II, 2)	Va.	805 Prince Street, Alexandria, Va.
Rector, Anna B. (II, 0)	Ind.	1634 15th Street
Rector, Janet (II, 0)	D. C.	14 Seaton Place, N. E.
Redinger Carl (IV, 59)	W. Va.	903 Buchanan Street
*Redman, Alverda E. (II, 0)	D. C.	1111 M Street
Reed, Mabel C. (II, 17)	D. C.	Government Hotels
Reed, Paul C. (IV, 86)	La.	1750 Massachusetts Avenue
Regan, Agnes E. (IV, 89)	N. Y.	3508 16th Street
Reid, Donald L. (III, 0)	Utah	1626 P Street
Reilly, Ray Rita (IV, 0)	D. C.	1642 29th Street
Renz, Millard F. (V, 66)	D. C.	The Alabama
Reyman, Arthur E. (V, 0)	D. C.	2805 26th Street, N. E.
Reynolds, Hazel (II, 57)	Md.	503 River Road, Bethesda, Md.
*Reynolds, Mary (II, 48)	Ga.	Government Hotels
†Rhoads, Rebecca (II, 0)	Va.	1625 Webster Street
Rhodes, Blanche (II, 6)	D. C.	1406 11th Street
*Rice, Robert (VI, 0)	Md.	1412 17th Street
Richards, Dorothea W. (II, 0)	D. C.	1724 P Street
Richards, Virginia (VI, 0)	D. C.	407 Randolph Street
*Richardson, Bertha (III, 0)	D. C.	1015 B Street, S. E.
Richardson, Margaret (IV, 0)	D. C.	132 E. Capitol Street
Richardson, Mary H. (IV, 24)	D. C.	132 E. Capitol Street
*Rinebolt, Gertrude (IV, 24)	Ind.	1845 Calvert Street
Ring, Freda (IV, 24)	D. C.	5521 Potomac Avenue
Ripsom, Edith I. (III, 22)	N. Y.	Government Hotels
Riter, Virginia (I, 0)	D. C.	1460 Spring Road
Roach, Jessie D. (II, 87½)	Ill.	1320 15th Street
Robb, Seymour (II, 81)	D. C.	660 Morton Place, N. E.
Robbins, Fred (II, 0)	D. C.	429 Kenyon Street
Roberts, Minnie C. (II, 9)	Miss.	Government Hotels
Roberts, Osgood (IV, 0)	D. C.	1616 Kilbourne Place
Robertson, Carrie (VI, 27)	Mo.	1336 Eye Street
Robertson, John R. (IV, 39)	Miss.	825 Vermont Avenue
Robinson, Dorothy (II, 0)	Ariz.	1910 Calvert Street
Robinson, Dorothy (II, 46)	D. C.	3312 Newark Street
Robsian, Daisy (II, 70)	Ky.	106 C Street, S. E.
Robsian, John M. (IV, 12)	Ky.	106 C Street, S. E.
*Roche, Leo H. (VI, 142)	Conn.	23 T Street
Roe, Grace L. (II, 0)	Va.	1335 H Street
Roebken, Esther (II, 19½)	D. C.	1202 Jefferson Place
*Rogers, Herbert (IV, 42)	D. C.	1603 Massachusetts Avenue
Rogers, Mary M. (VI, 0)	D. C.	37 Bryant Street
Rolle, Maxine F. (II, 72)	D. C.	134 Quincy Place, N. E.
Rommell, George F. (VI, 102)	D. C.	21 Myrtle Street, N. E.
Rooney, William F. (IV, 85)	Mass.	446 New Jersey Avenue, S. E.
*Rosen, Joseph F. (IV, 0)	N. J.	1806 Kilbourne Place
*Rosenberg, Jennie (II, 21)	Va.	122 N. Royal St., Alexandria, Va.
Rosenberg, Ruth (VI, 0)	D. C.	1216 Kenyon Street
Rosenlund, Arthur (VI, 73)	Minn.	3320 16th Street
Ross, Effie M. (IV, 98)	Wise.	15 Dorsit Avenue, C. C.
†Rowley, Frank (IV, 62)	Ill.	1410 Delafield Place
*Rubenstein, Lillian (IV, 0)	N. Y.	1749 T Street
Ruddiman, Minette (II, 109)	D. C.	1657 Lamont Street
Ruff, Mary C. (IV, 51)	Pa.	404 Virginia Apartments
*Rulien, Edris M. (II, 0)	D. C.	1219 Girard Street

- Russell, Archibald L. (IV, 0)
 Ruthven, Mary F. (II, 91)
 Rutkoski, Ignatius (V, 0)
 Rutley, Joseph S. (V, 8)
 Ryan, Alfred (III, 74)
 Ryder, Kathleen (IV, 0)
 Sager, Bert E. (IV, 42½)
 Sammons, Charles (IV, 43)
 Samson, Alfredo (VI, 41)
 Sanborn, Dorothy E. (II, 3)
 *Sandell, Alice (II, 20)
 Sanders, Ruth (IV, 65½)
 *Santizo, Virginia E. (II, 62½)
 Sasman, Cora E. (II, 28)
 Saum, Emily (II, 59)
 Saunders, Randall N. (III, 104)
 *Sawyer, Verdon A. (III, 45)
 Scordos, Crist G. (VI, 0)
 *Scott, Georgetta (II, 6)
 *Scovell, Jennie (III, 57)
 Schaaff, Mary A. (IV, 87)
 †Scheer, Ruben (V, 0)
 Schlosser, Nelle (II, 28)
 Schoenfelder, Helena (II, 81)
 Schofield, Irma (II, 46)
 †Schubert, Cora L. (IV, 0)
 Schwartz, Marion E. (IV, 72)
 Schwartz, Morris S. (IV, 8)
 *Schwarz, Frederick W. (VI, 0)
 *Schwinn, Gordon G. (II, 7)
 Seal, Virginia W. (II, 0)
 Sears, Gustavus W. (III, 23)
 *Segatore, J. P. (IV, 0)
 Seibert, Thomas H. (II, 0)
 Seibold, Louis E. (IV, 31½)
 Service, Laura L. (II, 0)
 Severance, Clifton H. (VI, 18)
 Shaver, Edna B. (II, 0)
 *Shaw, Alice H. (IV, 40)
 Shawn, George B. (III, 88½)
 *Shea, James W. (IV, 122)
 †Shea, Richard J. (III, 32)
 Shearman, Janet C. (IV, 56)
 *Sheehan, Dan J. (IV, 0)
 Sheivelhood, Helen (II, 0)
 Shepard, Alice M. (V, 33)
 †Sherwood, Winifred (VI, 24)
 Shinn, Clarice F. (II, 95)
 Shorb, Henrietta G. (IV, 51)
 Short, Verna G. (VI, 62)
 Shuford, Nellie G. (II, 0)
 Shugrue, Fenwick (V, 80½)
 Shumaker, William W. (IV, 18)
 Shutack, John (IV, 61)
 Seigler, Catherine E. (II, 88)
 *Sileox, Carrol MacM. (II, 0)
 *Silva, Pablo M. (II, 9)
 Silver, Reva (II, 64)
 *Silverman, Irving (IV, 0)
 *Silverman, Joseph (IV, 0)
 Simon, Lois J. (VI, 9)
 *Singleton, Lucile P. (II, 21)
 Sinn, Iva M. (IV, 0)
 Skinner, Inez M. (VI, 0)
 †Skinner, Jean B. (II, 0)
 † Deceased.
 Skinner, Nelson R. (IV, 0)
 †Skinner, P. Searle (V, 6)
 Skippon, Sarah L. (II, 0)
 Sladen, William (II, 85)
 Smead, Winifred E. (VI, 24)
 Smoot, Henry K. (I, 0)
 Smith, Albert (V, 36)
- D. C. The Alabama
 D. C. 1471 Harvard Street
 D. C. 3414 14th Street
 D. C. 4710 Davenport Street
 D. C. 3238 13th Street
 D. C. 1100 Euclid Street
 Md. Mt. Rainier, Md.
 Colo. 509 Massachusetts Avenue
 D. C. 1520 K Street
 D. C. 115 Maryland Avenue, N. E.
 Calif. 1838 Calvert Street
 Texas 1742 F Street
 Ky. George Washington Inn
 Wisc. 1319 Quincy Street
 D. C. 1312 Girard Street
 D. C. 1323 Columbia Road
 N. Y. Y. M. C. A.
 D. C. 1426 L Street
 Pa. 1414 16th Street
 D. C. 1428 Clifton Street
 D. C. 1824 Monroe Street
 Md. 621 9th Street, N. E.
 D. C. 1870 Wyoming Avenue
 Iowa R. R. No. 2 Alexandria, Va.
 D. C. 1220 Fairmont Street
 Tenn. 114 Maryland Avenue, N. E.
 D. C. 2414 12th Street, N. E.
 D. C. 442 H Street
 N. J. 1156 15th Street
 D. C. 1731 Columbia Road
 D. C. 1430 Columbia Road
 Md. Clinton, Md.
 R. I. 408 Senate Office Building
 D. C. 1817 19th Street
 D. C. 756 Rock Creek Church Road
 D. C. 17 W. Underwood Street, C. C.
 N. H. 1758 N Street
 D. C. 1004 Maryland Avenue, N. E.
 D. C. 317 F Street, N. E.
 Md. Bureau of Standards
 N. J. 4427 Iowa Circle
 Mass. 803 Michigan Ave, N. E.
 D. C. 5703 14th Street
 N. J. 4341 Interior Building
 D. C. 1371 Perry Place
 N. H. 1221 12th Street
 Colo. Hotel Roosevelt
 Ind. Government Hotels
 N. D. 1728 Eye Street
 Ill. 1707 Euclid Street
 Texas 1740 S Street
 D. C. 1801 Calvert Street
 D. C. 2134 F Street
 Pa. 608 Elliott Street, N. E.
 D. C. 115 Oak Ave., Takoma Pk., D. C.
 D. C. 2003 G Street
 D. C. 1817 F Street
 Md. Odenton, Md.
 Russia 1139 1st Street
 D. C. 1212 Union Street, S. W.
 D. C. 1414 Girard Street
 D. C. Gordon Hotel
 Iowa 1809 20th Street
 D. C. 1702 1st Street
 D. C. The Portner
 D. C. 420 7th Street, S. W.
 Canada 1443 Clifton Street
 D. C. 49 V Street,
 D. C. 120 11th Street, S. E.
 Ind. 1107 11th Street
 D. C. 3145 Mt. Pleasant Street
 D. C. St. Elizabeth's Hospital

- Smith, Alice (III, 101)
 Smith, Ardis (IV, 117)
 Smith, Audley L. (II, 95)
 Smith, Carleton, D. (IV, 0)
 *Smith, George E. (III, 8)
 Smith, Lyne (II, 0)
 Smith, Mabel M. (III, 29)
 *Smith, Margaret (II, 72)
 Smith, Marguerite Euen (II, 0)
 Smith, Sarah F. (IV, 60)
 *Smithwick, William V. (IV, 121)
 Snelling, Elsie (II, 0)
 Snyder, Katherine (V, 6)
 Soeth, Dorothy (II, 46)
 Soleau, Winifred (II, 0)
 Sorber, D. Glenn (III, 84½)
 †Spangler, Wanda (V, 0)
 Spear, Albert (III, 99)
 Speer, Ray (II, 35)
 †Sperry, August (IV, 0)
 †Stabler, May (II, 16)
 Stafford, Vera L. (IV, 0)
 Staley, Adeline (II, 78)
 Stambaugh, Anna M. (II, 25)
 Stanton, William (I, 32)
 Staples, Harriet (II, 66½)
 Starr, Ethel Densmore (II, 45)
 *Steed, Hubert L. (IV, 0)
 Steele, Lucy E. (II, 0)
 Steinberg, Pearle (II, 40)
 Stephens, Dorothea (II, 70)
 *Stevens, Edwin H. (II, 20)
 Stewart, T. Dale (III, 0)
 Stiles, Theobelle (II, 48)
 Stone, Darrus M. (IV, 27)
 Stout, Agnes M. (II, 87)
 Stoutamyer, Helen (II, 70)
 Street, Eva B. (II, 12)
 Stretch, Clarence (V 98)
 Stringham, Emerson (III, 90)
 Strycovsky, Zvi (V, 92)
 Sturm, Edna L. (II, 0)
 Suguitan, Demetrio (IV, 69)
 *Sullivan, Angela (II, 18)
 Sullivan, Henry B. (III, 102)
 †Sullivan, Floyd (IV, 133)
 Sullivan, James F. (VI, 73)
 Suraci, Lillian (II, 0)
 Sutfin, James A. (III, 44)
 Swan, William K. (VI, 0)
 Swecker, Icie (IV, 108)
 Sweeney, Eugene F. (VI, 0)
 Sweeney, Mary A. (IV, 0)
 Sweeney, William T. (III, 67)
 †Tarsney, Frances (V, 84)
 *Taylor, Etta (IV, 0)
 Temin, Henry (IV, 100½)
 Terhune, Leola B. (IV, 41)
 Thayer, Olive M. (II, 0)
 Thiel, Helen (II, 0)
 *Thomas, Eugene R. (VI, 0)
 Thomas, Eugene S. (IV, 42)
 *Thomas, Laura K. (II, 68)
 Thomas, Ruth E. (II, 0)
 Thompson, Helen (II, 88)
 *Thompson, Jessie (II, 0)
 *Thompson, Walter (VI, 0)
 *Thorne, Francis (II, 18)
 †Thrasher, Mildred M. (IV, 0)
 Thurber, Mildred (V, 63)
 Tilton, Emily (I, 22)
 Tilton, Fletcher S. (II, 28)
 *Tinnerman, Clifford (II, 0)
 Conn. 3242 38th Street
 Iowa 1517 Rhode Island Avenue
 Iowa 2007 F Street
 Iowa 1312 N Street
 Ariz. Care Groundwater Division, U. S.
 Geological Survey
 D. C. 2120 Connecticut Avenue
 Pa. Government Hotels
 Tenn. 1343 V Street, S. E.
 D. C. 421 G Street, N. E.
 S. C. 1819 G Street
 Fla. 1868 Columbia Road
 D. C. 3522 10th Street
 D. C. 1126 16th Street
 Iowa Government Hotels
 Md. 14 Quincy St., Chevy Chase, Md.
 Wash. 1628 Riggs Place
 Ga. Alexandria, Va., Route No. 2
 D. C. 4 6th Street, N. E.
 Kans. 1825 K Street
 N. J. 1431 Clifton Street
 D. C. 2572 University Place
 D. C. 2905 11th Street
 D. C. 2917 13th Street
 D. C. 1240 D Street, N. E.
 D. C. 1427 Newton Street
 D. C. 1430 W Street
 N. J. 1906 N Street N. W.
 D. C. 1734 K Street
 D. C. 1735 Willard Street
 Ga. 1317 Irving Street
 D. C. 1714 Summit Place
 Md. Box 47 LaPlata, Md.
 Pa. 19th and G Streets
 N. Dak. 1471 Irving Street
 D. C. 1022 Spring Road
 Colo. 1812 K Street
 D. C. 1334 Longfellow Street
 D. C. 1300 Massachusetts Avenue
 Conn. 1126 10th Street
 N. Y. U. S. Patent Office, Div. 21
 Palestine 1116 8th Street
 Ind. 706 11th Street
 Phil. Is. 1820 G Street
 D. C. 1368 Kenyon Street
 Nev. Key Bridge Office
 Wisc. 1503 21st Street
 Mass. 502 1st Street, S. E.
 D. C. 1602 7th Street
 D. C. 2408 North Capitol Street
 Mo. 1733 N Street
 Va. 300 Va. Ave., S. Clarendon, Va.
 D. C. 3917 Keokuk Street
 D. C. 1028 25th Street
 Va. 723 19th Street
 N. Y. 1110 7th Street
 D. C. Congress Hall Hotel
 D. C. 515 4½ Street, S. W.
 Ind. 1819 G Street
 Ill. 1627 Massachusetts Avenue
 D. C. 3145 19th Street
 D. C. 1512 21st Street
 D. C. 717 Massachusetts Avenue, N. E.
 Kans. 1216 Gallatin Street
 D. C. 2905 14th Street
 Ark. 1858 Mintwood Place
 Ill. 1311 Emerson Street
 D. C. 1464 Clifton Street
 D. C. 205 D Street, N. E.
 Ohio 1104 M Street
 N. Y. 1104 M Street
 D. C. 1920 S Street
 D. C. 1740 P Street
 Ohio Hotel Roosevelt

- Titus, Harold (VI, 5)
 Tolson, Clyde (IV, 53)
 Tolson, Hillory (II, 73)
 Trenholm, Gerald L. (IV, 22)
 *Truscott, Hazel (IV, 59)
 Tso, Wai-hing (VI, 42)
 Turner, Marie Alma (II, 103)
 Tyler, Harry F. (IV, 0)
 Uhrin, Michael W. (IV, 0)
 *Updegraff, Clarence (IV, 105)
 Usilton, Lida (IV, 62)
 *Ussery, Elizabeth A. (II, 0)
 Utz, Ruth E. (I, 12)
 Vaccaro, Josephine (II, 57)
 Vaccaro, Mary J. (II, 61½)
 Vail, Margaret (IV, 19)
 Van Deusen, William (II, 0)
 Van Doren Lurana (III, 106)
 Van Ende, Joseph (III, 31)
 *Van Riper, Gertrude (II, 0)
 Vickers, Rose (II, 113)
 Vaux, Catherine L. (II, 91½)
 Veley, Bernice (II, 67)
 Veley, Edna (II, 14)
 Viens, Bernard G. (VI, 102)
 Villaneuva, Aurelio P. (IV, 86)
 *Vlahakis, John (VI, 0)
 Voigt, P. D. (VI, 6)
 Voorus, Robert (I, 60)
 *Wade, Percy K. (IV, 0)
 Waesche, Hugh H. (V, 0)
 *Wagoneller, Edith (II, 21)
 Waldman, Sophia (II, 0)
 *Walker, C. Melville (II, 105)
 Walker, Frances (I, 0)
 Walker, Henry L. (IV, 0)
 Wallace, Lewis (IV, 0)
 Wallace, Martha (II, 0)
 Wallace, Ralph (IV, 30)
 *Walsh, Robert J. (II, 0)
 Walter, Nellie M. (II, 9)
 *Wang, Teng Yun (IV, 139)
 Wang, Teh Peu (IV, 29)
 Waring, Anna F. (IV, 36)
 Warren, Dorothy (II, 44)
 Watkins, Samuel A. (VI, 6)
 *Weaver, Alicia (IV, 0)
 Weber, Raymond (IV, 0)
 Webster, Frances (II, 6)
 Weckerly, Ida (IV, 15)
 *Wedgworth, May (IV, 79)
 Weikert, Gladys (I, 27)
 Weinschelbaume, Samuel (V, 89½)
 Weits, Abraham (V, 77)
 Weller, Smith E. (II, 12)
 Welliver, Allan (VI, 0)
 Wells, Arthur (III, 82)
 *Wells, Peter (IV, 0)
 West, Caroline (IV, 39)
 Weyl, Celeste (IV, 96)
 Wheeler, Mary (II, 0)
 Wheelchel, K. Louise (IV, 90)
 Whitfield, Elizabeth (IV, 20)
 †Whitmore, Helen (I, 102)
 Whitson, William (IV, 0)
 Whyte, Louis E. (IV, 0)
 White, Clay M. (III, 6)
 White, John T. (VI, 0)
 *Wildman, Ruth (IV, 0)
 Wilgus, Mildred (VI, 43)
 Wilkes, James C. (IV, 18)
 †Willey, Hazel (II, 9)
 Williford, Imogene (IV, 22)
 Williford, Mildred (IV, 0)
- D. C. 1909 H Street
 Iowa 1733 N Street
 Iowa 1733 N Street
 S. Dak. 1734 K Street
 D. C. 2120 Walnut Street, N. E.
 China 1343 E Street
 D. C. 1730 Que Street
 D. C. 1918 Calvert Street
 Pa. 712 18th Street
 Md. 14 Sycamore St., Takoma Park
 D. C. 2034 N. Capitol Street
 Va. East Falls Church, Va.
 Va. 1605 H Street, S. E.
 Italy 316 H Street
 D. C. 800 6th Street, N. E.
 D. C. 16th and S Streets
 Va. Clarendon, Va.
 D. C. 723 8th Street, N. E.
 D. C. 1277 New Hampshire Avenue
 D. C. 4100 Illinois Avenue
 Md. 2332 19th Street
 Pa. McLean, Va.
 N. Y. 3814 5th Street
 N. Y. 3814 5th Street
 Mass. 1758 N Street
 D. C. 1808 G Street
 D. C. 1838 Connecticut Avenue
 D. C. 5033 Georgia Avenue
 Pa. 1115 Connecticut Avenue
 Va. 910 Prince Street, Alexandria, Va.
 D. C. 6105 4th Street, N. E.
 D. C. 738 Rock Creek Church Road
 D. C. 1237 Girard Street
 D. C. 1829 19th Street
 D. C. 140 Bryant Street
 D. C. 1832 Biltmore Street
 D. C. 810 Mills Building
 D. C. 204 Oak Avenue, Takoma Park
 Okla. Y. M. C. A.
 Pa. 1023 15th Street
 Ohio 1842 California Street
 China 644 Munsey Building
 China 3734 Oliver Street, C. C., D. C.
 D. C. 616 Quebec Place
 D. C. Silver Spring, Md.
 N. C. 704 B Street, S. W.
 D. C. 2463 Wisconsin Avenue
 Pa. 1815 Irving Street
 D. C. 1901 Wyoming Avenue
 Md. 105 E. Bradley Lane, C. C., Md.
 D. C. 311 C Street
 D. C. 637 Park Road,
 N. Y. 1115 5th Street
 N. J. 1321 Girard Street
 Iowa 1018 Vermont Avenue
 D. C. The Kenessaw
 Ind. The Northumberland Apartments
 D. C. 2701 Connecticut Avenue
 Va. 224 N. Asaph St., Alexandria, Va.
 Ill. 1308 Connecticut Avenue
 Ga. 1110 P Street
 D. C. 2120 Connecticut Avenue
 D. C. 611 12th Street, N. E.
 D. C. 2700 Connecticut Avenue
 D. C. 150 R Street, N. E.
 D. C. 1125 Allison Street
 D. C. 65 Florida Avenue
 D. C. 1540 N. Capitol Street
 Iowa Monmouth Hotel
 Ohio 1746 K Street
 D. C. 2319 N. Capitol Street
 Md. 1734 P Street
 Miss. 1802 G Street
 Fla. Government Hotels

Willis, Eli (IV, 84)	D. C.	2501 14th Street
*Willis, Iva (IV, 0)	D. C.	2501 14th Street
Willis, Suda (II, 22)	Texas	2501 14th Street
Williams, Carrie (II, 39)	Mo.	4710 8th Street
Williams, Hazel (VI, 0)	Ind.	1619 R Street
Williams, Helen (IV, 106½)	D. C.	3917 McKinley Street, C. C.
Williams, Louise (V, 94)	D. C.	3917 McKinley Street
Williams, Mabel R. (II, 0)	D. C.	2905 11th Street
Williams, Mathilde (II, 21)	D. C.	1332 F Street, N. E.
Williams, Milton (IV, 26)	Miss.	1733 N Street
†Williams, Nelle (IV, 0)	Mich.	2124 P Street
*Wilson, Clifford (III, 0)	La.	Henrietta Apartments
Wilson, Herman (II, 60)	Md.	1811 G Street
Wilson, Phoebe (II, 21)	Md.	Bethesda, Md.
Wilson, Robert (VI, 41)	N. C.	1733 N Street
Wilson, Samuel P. (IV, 20½)	D. C.	1008 O Street
Wilson, Thomas (V, 43)	La.	Henrietta Apartments
Winn, Agnes (IV, 0)	Wash.	1201 16th Street
*Winter, Mary L. (II, 0)	D. C.	642 E. Capitol Street
*Wiseheart, Malcolm B. (IV, 122)	Ill.	Y. M. C. A.
Wiseheart, Marshall (IV, 0)	D. C.	The Montana
Withers, Avis M. (V, 0)	D. C.	502 The Ambassador
Wittauer, Herbert (VI, 0)	Ill.	1458 Fairmont Street
†Wolf, William (IV, 0)	D. C.	2653 Woodley Road
Wolfe, Frances (II, 78)	D. C.	1748 Lanier Place
†Wolpe, Ethel D. (II, 50)	D. C.	918 4½ Street, S. W.
Woodall, John (II, 0)	Va.	709 E. Clifton Terrace
Woodford, Beatrice (II, 55)	Md.	Silver Spring, Md.
*Woodson, Miss Fred L. (IV, 32)	Mo.	1858 Columbia Road
Wool, Joan (IV, 34)	Korea	2000 F Street
Woolard, Edgar (III, 97)	D. C.	2319 Pennsylvania Avenue
Wooten, Audis, (IV, 21)	Texas	1858 Mintwood Place
Wrenn, Katherine (II, 24)	D. C.	The Wyoming
Wright, Debbye J. (II, 50)	Ark.	1104 M Street
Wright, Katherine (II, 30)	D. C.	1501 Lamont Street
Wright, Meador (IV, 0)	Va.	Y. M. C. A.
*Yates, John (IV, 72½)	D. C.	1212 Girard Street
*Yirka, Frank (III, 0)	D. C.	456 Massachusetts Avenue
York, Brower (VI, 0)	N. C.	1825 F Street
*Young, Albert L. (IV, 0)	Ala.	2021 O Street
Young, Harold (III, 18)	D. C.	1603 Massachusetts Avenue
Young, Mary (VI, 0)	Miss.	1658 Euclid Street
Young, Vincent H. (IV, 30)	Conn.	2024 King Street, Alexandria, Va.
Young, Frederick (IV, 36)	Wyo.	1734 K Street
Zabel, Oscar (IV, 28)	Wash.	1734 K Street
*Zapolsky, Arthur (IV, 0)	N. Y.	2122 H Street
Zanner, Albert (VI, 40)	D. C.	1608 Longfellow Street
Zeigler, Edwin (V, 0)	D. C.	3025 Cambridge Place
Zinn, Roma (II, 0)	Pa.	Government Hotels
Zirkle, Vernon (IV, 30)	Va.	410 3d Street
Zucker, Joseph (VI, 35)	N. Y.	2716 Ontario Road

SPECIAL STUDENTS

*Abel, Lena	Mich.	Government Hotels
†Abrams, Walter	D. C.	Wardman Park Hotel
Adelson, Gertrude	Pa.	Government Hotels
Alksne, Emily	Russia	1104 M Street
*Alley, Paul R.	Va.	2228 Decatur Place
Allen, Belle	D. C.	6 Rhode Island Avenue
Allen, Edith V.	Va.	1841 Ontario Place
Alvarez, Manuel	D. C.	1227 Girard Street
*Anadale, George A.	D. C.	3922 New Hampshire Avenue
*Andrews, P. A.	Miss.	908 14th Street
*Anderson, Beatrice	Ind.	The Hotel Roosevelt
Andrews, Edith	D. C.	Government Hotels
*Arseneau, Mrs. Stella	Ill.	714 18th Street
†Arnold, Mabel	Pa.	725 19th Street
Ashford, Ruth	D. C.	924 C Street, N. E.
†Athey, Leslie	D. C.	227 14th Street, N. E.
Atwood, Julia W.	Me.	1727 P Street
August, G. G.	Mass.	Marine Corps Institute

- Ayres, Agnes
 Bacheller, Alice
 Bachrach, Louis
 Bailey, Joseph
 Bailey, Vera
 *Bailey, Miss Willie
 Baker, Harry, Jr.
 Baker, Lenore Mary
 Baldwin, Roger Lee
 †Bales, Mrs. Louis P.
 †Bales, W. L.
 *Barlow, Edith
 †Barnes, Florence (Mrs.)
 †Barr, James
 Barrett, Katherine M.
 Barry, Kathleen P.
 Barto, Zua A.
 *Bartz, Viola
 Basford, Irene
 *Bass, Nell
 *Battersbury, C. C.
 *Baukhages, Minna
 *Beall, Harold C.
 Beard, Dorothy
 *Becker, Edna
 *Beeton, Robert D.
 *Beilstein, Marie
 *Bellows, Germaine C.
 Bengston, Ida
 Benner, Robert W.
 Bennet, Nelly
 Bennett, Jenn
 Bergner, Mrs. Sophie
 *Berliner, Eli
 *Bernstein, Sophye
 Berry, Alice
 *Berry, Martha
 †Best, Mrs. Bessie
 *Beyer, Mrs. James E.
 Bigelow, Dorothy
 Bingham, Mrs. L. F.
 Biser, Rosabelle
 A. B., 1918, Winthrop College
 Bishop, Georgia
 Bisselle, Hulbert
 *Black, William
 †Blaine, Margaret
 †Blandford, Mary Kerr
 *Blaurock, Veronica
 Blinn, Florence A.
 Bliss, Gertrude E.
 *Boardman, Florence
 *Boardman, Mildred E.
 †Boardman, Thomas V.
 *Bolling, Mayme
 Bollman, Ruby
 †Bond, Jane Cooper
 *Booth, Alpha H.
 Booth, Eleanor D.
 *Borgstadt, Mrs. E. G.
 *Bowling, Edna M.
 Bowman, Hazel
 *Bowman, J. Beatrice
 Bradley, George A.
 Brady, Dorothy
 *Brady, Edna
 *Branson, Bernice
 *Bransom, Henry W.
 *Brennan, Manolah
 Briggs, William P.
 Brommell, John
 Ind.
 Mass.
 D. C.
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 Tenn.
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 D. C.
 Conn.
 R. I.
 Nebr.
 Va.
 D. C.
 D. C.
 Pa.
 1229 Connecticut Avenue
 808 19th Street
 2102 1st Street
 814 5th Street, N. E.
 216 8th Street, S. W.
 2513 Cliffbourne Place
 1352 Longfellow Street
 232 8th Street, S. E.
 135 A Street, N. E.
 1415 Chapin Street
 1415 Chapin Street
 1612 1st Street
 1425 Chapin Street
 729 Taylor Street
 1211 Ingraham Street
 3439 14th Street
 1333 Belmont Road
 339 8th Street, N. E.
 2700 36th Street
 621 19th Street
 Government Hotels
 3008 R Street
 205 Raymond St., Chevy Chase.
 Md.
 Camp Good Will, D. C.
 1639 Hobart Street
 319 Cedar St., Cherrydale, Va.
 Government Hotels
 1437 Belmont Street
 808 19th Street
 611 Massachusetts Avenue, N. E.
 The Parkwood
 1801 K Street
 1432 F Street, N. E.
 Y. M. C. A.
 1526 7th Street
 1323 Rhode Island Avenue
 3754 McKinley Street
 2827 28th Street
 1135 New Hampshire Avenue
 1405 Decatur Street
 710 Varnum Street
 1903 N Street
 Government Hotels
 19 Grafton Street, C. C., Md.
 402 Evans Building
 101 Falkstone Courts
 220 8th Street, S. W.
 Government Hotels
 1223 Talbert Street, S. E.
 Vienna, Va.
 1341 Taylor Street
 1341 Taylor Street
 1860 Columbia Road
 639 Eye Street, N. E.
 31 Westmoreland Avenue, Takoma
 Park
 2417 Belmont Street
 2501 14th Street
 1311 K Street
 1226 11th Street
 1114 Vermont Avenue
 100 V Street, N. E.
 Bureau Medicine and Surgery.
 Navy Department
 158 F Street, S. E.
 Franklin Square Hotel
 The Chastleton
 220 Linworth Place
 Falls Church, Va.
 Harrington Hotel
 237 9th Street, N. E.
 2017 H Street

Brown, Beulah	Ark.	1104 M Street
*Brown, Randolph B. S., Cornell University	D. C.	Y. M. C. A.
†Browne, Mrs. Irma C.	N. Y.	231 9th Street, N. E.
*Bruener, Cecilia	Minn.	1726 P Street
†Brunett, Harry	D. C.	628 Keefer Place
*Brunner, Lucille	Minn.	1211 K Street
*Bryson, Mrs. Blanche E.	D. C.	Wardman Park Inn
*Bryson, Elizabeth	D. C.	Wardman Park Hotel
Buechele, Emma	Iowa	U. S. Patent Office
Buechler, Mary	D. C.	1339 Girard Street
*Buechley, Florence E.	Ark.	1743 P Street
Bullock, Earl M.	Md.	Riverdale, Md.
†Bunch, Idotha LL. B., Washington College of Law	Nebr.	1737 Riggs Place
Bunden, Katherine	D. C.	2801 13th Street
Bupp, Susan J.	D. C.	235 9th Street, N. E.
Burgess, Catherine	D. C.	308 R Street, N. E.
†Burke, Mrs. David	N. Y.	2146 F Street
Burkhalter, L. R.	Calif.	Bureau of Standards
†Burns, Dorothy	D. C.	1924 17th Street
*Burns, Lena	Tenn.	1101 K Street
*Butler, G. Hilton	Miss.	342 House Office Building
*Butler, J. Homer A. B., Holy Cross, 1919 A. M., Georgetown, 1921 B. F. S., Georgetown, 1921	Mass.	2627 Connecticut Avenue
Buynitzky, Stephen	D. C.	1522 Lamont Street
*Cafritz, Elizabeth	D. C.	1167 19th Street
*Cafritz, Sarah	D. C.	1167 19th Street
Cage, Ora E.	Calif.	1332 15th Street
*Calhoun, Randolph LL. B., LL. M., Stetson University	D. C.	Y. M. C. A.
*Callahan, Carolyn	Ill.	3034 Cambridge Place
*Cambis, Genevieve	Ireland	Montana Apartments
Cameron, Mrs. T. E.	D. C.	3214 Central Avenue, N. E.
Campbell, Jean	D. C.	301 8th Street, N. E.
Cannon, Earl	Md.	Landover, Md.
Canton, Ellen	N. Y.	Government Hotels
Cantrill, Georgia	Colo.	1918 18th Street
*Carey, Clotilde	D. C.	634 Massachusetts Avenue
*Carleton, Elizabeth	D. C.	1617 Lawrence Street, N. E.
†Carl, Elizabeth	Tenn.	Mt. Ida, Alexandria, Va.
Carlson, Elsie	Nebr.	Clifton Terrace, South
Carlson, Vivian	N. Y.	1929 Calvert Street
Carmichael, John	Md.	1454 Rhode Island Avenue
*Carpenter, Mary	D. C.	2805 18th Street
*Carter, Audrey	Va.	1820 Eye Street
*Carusi, Helen	D. C.	1755 18th Street
Carver, Leslie O. LL. B., LL. M., M. P. L.	Tenn.	Box 223 Pennsylvania Avenue Station
*Case, Clara	D. C.	438 New Jersey Avenue, S. E.
*Casey, Marie G.	Mass.	1832 16th Street
Cate, Catherine	D. C.	1807 California Avenue
Cawley, Cathleen	Pa.	1033 Lamont Street
Chadduck, Edith	D. C.	1855 Calvert Street
*Chadwick, Arthur S.	D. C.	51 V Street
*Chalmers, Henry	N. Y.	1842 Park Road
*Chamberlain, F. Louise	D. C.	Cherrydale, Va.
Chapin, Eugene R.	D. C.	76 Hainer Avenue, Takoma Park
*Chase, Harriet May	D. C.	1201 16th Street
*Chase, William	D. C.	1625 Newton Street
Chittenden, Eleanor H.	D. C.	1801 K Street
*Churbuck, Lewis N.	Ind.	1758 N Street
*Churbuck, Percy	D. C.	1758 N Street
Church, Edith	Mass.	1758 N Street
*Clark, Elizabeth H.	Va.	Cherrydale, Va.
*Clark, Helen V.	Pa.	338 Maryland Avenue, N. E.
*Clark, Henry A.	D. C.	110 13th Street, N. E.
*Clark, Margaret	D. C.	1205 Ingraham Street
†Clark, Wesley C.	D. C.	Somerset House
Clark, William E.	Mass.	1410 L Street
*Clarke, Essie J.	D. C.	3512 Lowell Street
Clarkson, Irene	Ky.	Government Hotels
	D. C.	Government Hotels

- *Clements, Frederica
 *Clement, Margaret
 *Clinton, Amy
 *Cogswell, Eunice
 Cohen, Ida
 *Colbert, Helen L.
 Cole, Mrs. Mary J.
 Coleman, Elizabeth E.
 *Coleman, Richard T.
 Collier, C. H.
 Collins, Bernice
 Collins, Grace
 Collins, Hugh
 *Collins, Lucille
 *Collins, Margaret M.
 *Collins, Marie E.
 Collins, P. J.
 *Colpoys, Helen
 *Columbus, Ruth Cole
 *Conger, Jay P.
 *Conley, James
 *Connelly, Hugh J.
 *Connor, Winifred A.
 *Conover, Margaret
 Cook, Anita
 †Cook, Henry
 Coombs, Myrtle R.
 Cooper, Sybil
 Copeland, Helen
 A. B., Iowa State University
 *Corbin, Maude
 †Corey, Pearl
 *Corry, Erma
 Corwin, Harold H.
 *Costello, Ellen
 Cotton, Robert B.
 Coumbe, Gertrude
 *Counts, Oakley
 B. C. S., Denver University
 Courtney, Francis
 Courtney, Olden K.
 B. S., Agricultural College of Tenn.
 Cowart, Ethel
 *Covin, Rebecca
 *Cox, Beatrice M.
 *Crane, Helen
 Creahen, Marie
 *Creeden, Sara
 Crenshaw, David
 *Crewe, Claire
 *Crist, Gene R.
 Crockett, Lillian
 †Cross, Roger
 Crossman, Florence
 *Croyle, Ethel
 Cullen, Sara L.
 Culp, Ruby L.
 Culpepper, C. W.
 B. S. and M. S. in Agriculture, Ala-
 bama Polytechnic Institute
 *Cummer, Goldie
 Cunningham, Laura J.
 *Cunningham, Winifred
 *Curran, Sarah
 *Dabney, Katherine
 Dalton, Jessie
 *Daniel, Ruth
 †Danielson, Borghild
 Darley, Mary L.
 Davis, Wilbur
 Davison, Lonnelle
 Day, Wilfred
 Dean, Eloda
 *Dearth, Hazel M.
- Ky. 2513 Cliffbourne Place
 Ind. 2513 Cliffbourne Place
 D. C. 2802 13th Street, N. E.
 Pa. 1350 Fairmont Street
 D. C. 1107 S Street
 D. C. 1809 R Street
 Pa. 1812 K Street
 Va. 311 S. Fairfax St., Alexandria, Va.
 D. C. 1315 19th Street
 D. C. 533 21st Street
 Pa. 1930 New Hampshire Avenue
 Mass. 603 Upshur Street
 D. C. 3101 20th Street, N. E.
 D. C. 713 21st Street
 D. C. 1349 Jefferson Street
 D. C. 1349 Jefferson Street
 D. C. 764 Hobart Place
 D. C. 1479 Harvard Street
 D. C. 107 Maryland Avenue, N. E.
 D. C. 2718 27th Street
 Va. 101 Arlington Ave., Clarendon, Va.
 D. C. 147 Uhland Terrace, N. E.
 Pa. 2444 20th Street
 D. C. 1012 22d Street
 D. C. 1320 21st Street
 Ill. Y. M. C. A.
 Mass. 1619 R Street
 Iowa 302 11th Street, S. W.
 Calif. 1802 G Street
 Iowa Government Hotels
 Pa. 1104 M Street
 Mich. The Roosevelt
 D. C. 3101 20th Street, N. E.
 D. C. 1454 Newton Street
 D. C. 1214 Geological Survey
 D. C. 1448 Girard Street
 D. C. Y. M. C. A.
 N. Y. St. Elizabeth's Hospital
 D. C. 401 Carroll Avenue
 Ala. Government Hotels
 Miss. 1524 28th Street
 N. Y. Government Hotels
 Mo. 1838 Lamont Street
 D. C. 2106 R Street
 Va. Patent Office
 Va. East Falls Church, Va.
 D. C. 1336 Eye Street
 D. C. 3025 Newark St., Cleveland Park
 Tenn. Government Hotels
 Va. Clifton Station, Va.
 Va. East Falls Church, Va.
 Pa. Government Hotels
 Va. 1105 O Street
 Okla. Government Hotels
 Ala. 6635 Piney Branch Road
 D. C. 212 12th Street, S. W.
 Ind. 1312 L Street
 Va. 600 N. Washington St., Alex., Va.
 D. C. 1258 Columbia Road
 D. C. Government Hotels
 Vt. 1927 K Street
 D. C. 1661 Newton Street
 Wisc. 1306 13th Street
 Va. 118 S. Royal St., Alexandria, Va.
 D. C. 625 Maryland Avenue, N. E.
 D. C. 2700 13th Street
 D. C. 1241 Euclid Street
 D. C. Grace Dodge Hotel
 Ohio Columbia Hospital

*DeBoskey, Mary	D. C.	1016 Rhode Island Avenue
Deceu, Clare L.	D. C.	Bureau of Medicine and Surgery, Navy Department
DeForest, Mabel I.	N. Y.	1418 Irving Street
*DeGeer, Oliver	Pa.	1242 12th Street
Deibler, David	Md.	6 Woodbine St., Chevy Chase, Md.
Deibler, Florence	Md.	6 Woodbine St., Chevy Chase, Md.
*Delaney, Helen K.	D. C.	439 Newton Place
Dendenger, Kathryn	Nebr.	The Chastleton
Denton, Rose L.	D. C.	21 6th Street, N. E.
DeRoy, Adenia	N. Y.	7415 Blair Road
Desouza, May	D. C.	404 New Jersey Avenue, S. E.
*Devaney, Anne V.	Ohio	1220 Irving Street
Dix, Adele	Md.	College Park, Md.
Dixon, Thomas W.	N. Y.	1819 K Street
Dodds, Lura	Iowa	Government Hotels
*Dodek, Sophie	D. C.	3519 14th Street
Donahoe, Elizabeth	D. C.	1340 Perry Street
*Dondero, Albert	Mich.	310 Machinist Building
*Donohue, Constance G.	D. C.	2519 12th Street
†Doran, James	N. Y.	519 L Street
Dorr, Ada G.	D. C.	Tudor Hall
*Dorr, Lorena	D. C.	Tudor Hall
†Downes, Thomas	Va.	1822 Ingleside Terrace
†Downey, Vincent P.	D. C.	3527 10th Street
†Doyle, Anna C.	Mass.	Tudor Hall
Doyle, Wilmoth	D. C.	3818 Huntington Street
*Drach, Gladys	Colo.	1225 Ingraham Street
Drake, Major Albert	Va.	State, War and Navy Building
A. B., Missouri University		
*Driscoll, Stephen	Mass.	645 5th Street, N. E.
Dunlap, Lorena	Miss.	1664 Colorado Road
*Dunlap, Sarah	D. C.	Government Hotels
*Durr, Franklin	Md.	Garrett Park, Md.
*Dyer, Charles F.	D. C.	116 V Street
*Eagon, Lloyd L.	Va.	Rosslyn, Va.
*Ebersole, Mary	Pa.	1125 10th Street
Eden, Mrs. Sieverdeau	D. C.	1321 Belmont Street
Edler, Carl	D. C.	2817 27th Street
*Edmonds, R. W.	D. C.	1094 Jackson Street, N. E.
Edwards, Edith	Ohio	Government Hotels
†Edwards, Grace	Ind.	2200 19th Street
Edwards, Miriam	N. Y.	429 Kenyon Street
Egerton, Imogene	D. C.	The Netherlands
*Ehrhart, Adessa	D. C.	1421 Allison Street
Ehrhart, Mina	Va.	1421 Allison Street
*Eierman, Louise	S. Dak.	320 Maryland Avenue, N. E.
*Elliott, Caryl	D. C.	U. S. Naval Hospital
Elmore, Mrs. Edith	D. C.	2017 Que Street
*Elmore, Mrs. Mary	D. C.	Bethesda, Md.
Embey, Mary S.	Va.	1347 Oak Street
*Embick, Elizabeth	D. C.	12 Washington Barracks
†Escher, Julia	Ariz.	410 4th Street, N. E.
*Evans, Florence	Pa.	1515 Massachusetts Avenue
Evans, Margaret	Nebr.	223 East Capitol Street
Evans, Mary W.	D. C.	1315 Clifton Street
Evans, Ralph	Mass.	Y. M. C. A.
Everhard, Winifred	D. C.	1428 Clifton Street
Ezekiel, Bertha B.	Md.	Berwyn, Md.
B. S., University of Maryland		
Fagin, Mrs. Mary B.	D. C.	2716 Ontario Road
Farrell, Agnes	D. C.	3600 16th Street
Fencher, Edith	D. C.	1700 15th Street, S. E.
Feller, Ralph	D. C.	311 Shephard Street
Fifield, Vera	Mass.	Government Hotels
*Fink, Gail	D. C.	1223 Kenyon Street
Fisher, Henry P.	D. C.	1847 Ontario Place
*Fisher, Lena	D. C.	500 M Street
Fisk, Marion S.	Md.	Kensington, Md.
*Fitzgerrell, Station	D. C.	Y. M. C. A.
Flanagan, Vincent J.	D. C.	3115 N Street
*Flehr, Etteline	D. C.	1708 Newton Street
*Flehr, Mabel	D. C.	1708 Newton Street
Fleming, Edith H.	Md.	1884 Columbia Road

Flickinger, Harry H.	N. Y.	537 21st Street
*Flippo, Martha	Va.	5 Leland St., C. C., Md.
*Flood, Mrs. Anna	Va.	Wardman Park Hotel
Flynn, Herbert	D. C.	2226 Connecticut Avenue
Fogerty, Rita M.	D. C.	1161 5th Street, N. E.
Fonte, Alma	Miss.	5413 Illinois Avenue
†Foote, Paul	Minn.	6924 9th Street
*Ford, Olive	Va.	The Northumberland
*Fox, Porter C.	Texas	Hudson Hotel
*Fraser, Selina	D. C.	664 Highland Avenue
Fretz, John	D. C.	Naval Medical School
Fritz, Florence	D. C.	Government Hotels
Funger, William	D. C.	1856 8th Street
†Funk, Hazel	Pa.	1819 G Street
Furr, Rose	D. C.	207 3d Street, S. E.
Gable, George	D. C.	4729 Georgia Avenue
Gaines, Marjorie	D. C.	Gordon Hotel
*Gahn, Bessie	D. C.	West Clifton Terrace
Galin, Olga	D. C.	Government Hotels
†Gavy, William	N. Y.	1901 B Street
Garber, Sara	D. C.	331 5th Street, S. E.
Gard, Robert	D. C.	3221 13th Street
†Gardner, Georgia	Ind.	1512 21st Street
Gardner, Helen M.	Pa.	1118 10th Street
A. B., 1922, George Washington University		
Gates, Eva	D. C.	1817 F Street
Gates, Isabel	D. C.	2735 Ontario Road
†Gault, Mrs. Ruby	Ind.	504 B Street, N. E.
*Gayle, Catherine	Va.	Fort Myer Heights, Va.
L. L. B., 1922, George Washington University		
Gearhart, Kyle M.	Va.	1444 N Street
Geikie, Marion	D. C.	500 East Capitol Street
Gervais, Helen	D. C.	715 Monroe Street, N. E.
Gervais, Florence	D. C.	715 Monroe Street, N. E.
Geschickter, Charles	D. C.	1834 Connecticut Avenue
A. B., M. A., George Washington University		
*Ghani, Fuad	Egypt	909 M Street
Gibbons, Irene	D. C.	1489 Newton Street
Gibney, Edythe	D. C.	3525 14th Street
†Gibson, Hattie	Va.	620 Maryland Avenue, N. E.
*Gilbert, Arline	Va.	Fort Myer Heights, Va.
Gilbert, Mary E.	Canada	Government Hotels
Gilbreath, Bertha	D. C.	314 E Street, N. E.
Gillim, Alice	D. C.	1738 N Street
*Gleeson, Mary	Mass.	Government Hotels
Glover, Odessa	D. C.	17 K Street, N. E.
Goddard, Jennie	D. C.	1523 16th Street
Goldstein, Hyman	D. C.	700 Otis Place,
Goodman, Edgar	D. C.	1518 Allison Street
Gosnell, Ruby	S. C.	1720 H Street
Green, Adwin	D. C.	612 Commerce Building
Green, Ruth M.	D. C.	2204 R Street
Greenbank, George	D. C.	1732 Church Street
A. B., Ohio State University		
†Greenslet, Edmund R.	S. Dak.	1819 G Street
*Griffin, Marie	Md.	Kensington, Md.
Guernsey, Lillian A.	Va.	106 Arlington Avenue, Clarendon, Va.
*Hahn, Hortense King	D. C.	1940 Biltmore Street
*Hale, Frances H.	Iowa	Cherrydale, Va.
†Hall, Ernestine	Mich.	2901 16th Street
A. B., University of Michigan		
Hall, Mrs. Rose	Ore.	1305 10th Street
Halper, Leolia E.	D. C.	4528 9th Street
Hamilton, Ann S.	D. C.	1415 Massachusetts Avenue
Hamilton, Eleanor E.	Md.	Columbia Hospital
Hamilton, Miles H.	D. C.	Marine Barracks
*Hammett, Agnes	D. C.	404 12th Street, S. E.
Hampton, Mrs. Wade	D. C.	1750 S Street
†Hancock, Laura E.	D. C.	1739 Eye Street
†Handy, Thomas G.	D. C.	3451 Mt. Pleasant Street

Harcourt, Gertrude T.

Harper, Grace

Hart, Elizabeth C.

*Hart, Sarah I.

Harter, Iola J.

*Harrell, Earl D.

*Harris, A. C.

Harris, Pauline

Harrison, Mabel

*Hassler, Mary S.

*Hassler, Maude R.

Haydon, Richard C.

*Hazen, Grace

M. A., George Washington University;
B. S., St. Lawrence University

†Heaney, James

Heberd, Nell

Hechmer, Mildred M.

Hedrick, Anna F.

*Heffron, Irene

*Heinemann, George W.

Heller, William L.

Henderson, Elizabeth

*Hendren, Bryson P.

†Herr, Helen H.

*Herrick, Mrs. Anne B.

*Herring, Annie F.

*Herrington, Russel M.

Hersey, Merle W.

Hertz, Astrid

*Hertzer, Katrina E.

Hicks, Braxton

Hight, Margaret

Hill, Celeste L.

*Hill, Ira B.

*Hiramatsu, K.

*Hirt, Helen

Hixson, Clayton

*Hobbs, Margaret

*Hoffman, David

Hohn, Ola

*Holden, Beulah

Holden, James

Holenia Pirie

*Holmes, Clarence

†Hoover, Amanda

B. S., Allegheny College

†Hoover, Mrs. Charles

Hopkins, Annie G.

*Horn, Kathryn R.

Hosbaugh, Clara

*Hosshall, Harry B.

Hott, Gertrude B.

*Houriet, Irene

Howard, J. Thomas

B. A., Carleton College

Huff, Perry O.

Hunsicker, Elmer W.

Hunt, Nicholas R.

M. S., B. S., University of California

Hurley, Marian

Insley, Margarette

*Jackson, Hilda

*Jackson, Maude

†Jacobs, Fred

*Jacobs, Irene

*James, Dorothy

†Janson, Elsie

*Jefferis, Albert W.

*Jelleff, Eleanor P.

Jamison, Gertrude

Jensen, Lydde

D. C.

Ill.

Wisc.

Wisc.

D. C.

Ark.

D. C.

W. Va.

D. C.

Pa.

Pa.

Va.

N. Y.

Senate Office Building

925 N Street

The Woodland

1344 Columbia Road

1338 Randolph Street

6404 Georgia Avenue

1209 Ingraham Street

2306 1st Street

Government Hotels

Government Hotels

Government Hotels

919 Prince Street, Alexandria, Va.

1702 Kilbourne Place

Mass.

D. C.

W. Va.

D. C.

D. C.

D. C.

D. C.

Va.

D. C.

D. C.

Va.

D. C.

N. C.

D. C.

D. C.

Denmark

D. C.

Mich.

D. C.

Calif.

N. C.

D. C.

Ohio

D. C.

D. C.

Ill.

D. C.

Me.

D. C.

Ill.

D. C.

Pa.

Navy Dept., Hydrographic Office

1834 Colorado Road

3524 Park Place

3240 S Street

1233 6th Street, S. W.

919 N. Carolina Avenue, S. E.

407 2d Street

301 C Street, S. E.

The Northumberland

1508 21st Street

1854 Ontario Road

Government Hotels

4512 13th Street

1412 Chapin Street

Danish Legation

Government Hotels

Sibley Hospital

2358 Massachusetts Avenue

Government Hotels

3616 11th Street

1300 Vermont Avenue

Children's Bureau

624 Irving Street

1731 Eye Street

Y. M. C. A.

1400 28th Street, S. E.

3504 13th Street

5011 13th Street

Government Hotels

Riverdale, Md.

1714 H Street

D. C.

D. C.

D. C.

D. C.

Md.

D. C.

D. C.

Minn.

630 South Carolina Avenue, S. E.

400 Shepherd Street

24 S Street

1327 16th Street

College Park, Md.

1801 Eye Street

921 New Hampshire Avenue

1710 G Street

Md.

235 Willow Avenue, Takoma Park,

Md.

Ind.

Va.

House Office Building, Box 11

8 N. Maple Street, Clarendon, Va.

D. C.

D. C.

Va.

Canada

W. Va.

Calif.

Ohio

D. C.

D. C.

D. C.

D. C.

D. C.

Denmark

2106 H Street

3908 Morrison Street

Alexandria, Va.

1636 Connecticut Avenue

135 Carroll Street, S. E.

2026 Eye Street

Government Hotels

149 A Street, N. E.

2219 California Street

3505 Macomb Street

27 Quincy Place

Danish Legation

Jermyn, Marion	D. C.	Government Hotels
Jervey, Frank	D. C.	2829 28th Street
B. S., Clemson College		
Jewett, Elizabeth	N. Y.	214 B Street, S. E.
Johns, Florence R.	Ind.	2614 Maryland Avenue, N. E.
Johnson, Florence	D. C.	416 Shepherd Street
Johnson, Hubart	D. C.	2627 Adams Mill Road
Johnson, Jasper	D. C.	2920 Sherman Avenue
*Johnson, Louise	Ore.	Government Hotels
Johnson, Mannie	D. C.	Government Hotels
Johnson, Mary A.	D. C.	1945 Biltmore Street
*Johnson, Mary E. L.	Ind.	1901 19th Street
*Johnson, Mildred	D. C.	212 12th Street, S. W.
*Johnson, Robert S.	D. C.	2627 Adams Mill Road
†Johnstone, Margaret	Md.	3427 13th Street
Jones, Clara P.	D. C.	3800 14th Street
*Jones, Elizabeth T.	D. C.	1869 Wyoming Avenue
A. B., Vassar College		
*Jones, Ellen	D. C.	3800 14th Street
Jones, Esther	D. C.	830 5th Street, N. E.
†Juergens, Selma	Ind.	Government Hotels
*Kaminsky, Helen	D. C.	306 G Street, N. E.
*Kaminsky, Rebecca	D. C.	306 G Street, N. E.
*Kato, Kitano	Japan	1310 N Street
Keil, Lewis	D. C.	1117 O Street
*Keir, Rose V.	D. C.	Hotel Gordon
*Keller, Nellie M.	Ore.	111 Southbrook Courts
Keller, Pearl	N. J.	1812 K Street
*Kelly, B. A.	Pa.	1906 G Street
*Kelly, Marguerite	Mass.	Government Hotels
Kelly, Allie M.	D. C.	1414 Massachusetts Avenue
Kelly, Thomas J.	Va.	329 Salfred St., Alexandria, Va.
Kelly, Lillian	D. C.	1320 Harvard Street
*Kelsner, Raymond	D. C.	1432 Meridian Place
D. V. M., George Washington Uni-		
sity; M. A., American University		
Kelsey, M. Aubra	N. Y.	431 Monroe Place
Kennedy, Lucile	D. C.	539 Kenyon Street
Kested, Mildred	N. Y.	453 Park Road
*Ketcham, Ruth	D. C.	4607 15th Street
Ketner, Henry	D. C.	1603 Massachusetts Avenue
L. L. B., George Washington Uni-		
versity		
Ketner, James	N. C.	1603 Massachusetts Avenue
Kerston, Maude M.	Ill.	2124 F Street
A. B., A. M.		
Kilcawley, Edward	D. C.	1331 Belmont Street
Kincannon, Linda Jane	Miss.	The Pentilly
A. B., Martha Washington College		
*Kinchelae, Harriett	Va.	The Cordova
King, Angus S.	Va.	2024 King Street, Alexandria, Va.
Kinney, Kenneth	D. C.	Calverton Apartments
†Kinyan, Helen	Mich.	1223 Vermont Avenue
Kirby, Elizabeth	Mass.	1121 East Capitol Street
*Kircher, Raymond	D. C.	215 11th Street, N. E.
*Klapp, Edgar	D. C.	1731 Eye Street
*Klavans, Sylvia	D. C.	1241 Shepherd Street
*Kline, Catherine	D. C.	2095 11th Street
†Knight, Elizabeth	Minn.	912 19th Street
*Knipe, Lena H.	D. C.	Grace Dodge Hotel
Knowles, Olive	D. C.	1432 Clifton Street
Kolb, Marie	Pa.	1819 G Street
*Kondrup, Anne	D. C.	137 11th Street, N. E.
*Koonts, Louise	D. C.	607 E Street
*Kostmayer, Edna	La.	Hotel Gordon
Kotterman, Catherine	D. C.	2611 Adams Mill Road
Kougher, Mildred	Pa.	1001 Monroe Street
*Kroll, John H.	D. C.	613 Morris Street, N. E.
†Kruger, Hedwig	Germany	3501 Newark Street
Kyler, Bessie	Ill.	150 R. Street, N. E.
*LaBonte, Lucile	Conn.	Government Hotels
Lacy, George B.	D. C.	653 E. Capitol Street
Lamson Elizabeth	D. C.	1715 Kilbourne
Lanier, Ruby	Ga.	1801 Eye Street

- Lanman, Mary M.
 Lapham, J. E.
 *LaPorte, Nellie
 *Latimer, Margaret E.
 Lauer, Logan L.
 *Lawler, Lawrence
 Laurence, Alice
 *Lea, Elizabeth O.
 Leach, Ardelle
 Leahy, Emelia
 †Learoyd, Mabel
 Lebo, Florence
 Leddy, Andrew F.
 Lee, Nellie
 *Lee, Stephen M.
 B. S., A. B., George Washington
 University
 *Leeby, Lawrence R.
 Leineweber, Mme. Irene
 *Lelansky, Eva
 LeMenager, Marcelle
 Lenoir, Kate
 *Lenovitz, Henry J.
 Leonardo, Alexander
 *Levin, Patricia
 Levy, Edith McD.
 Lewis, Catherine D.
 Lewis, David J.
 *Lewis, Oscar
 B. C. S., Y. M. C. A. School of
 Accountancy
 Lewis, Ruth
 Linch, Mark W.
 Lindley, Laura
 Lindner, A. H.
 Lindsey, Paul
 *Linger, May
 Lippincott, Camilla
 Litteral, Emmett
 *Lobdell, Nellie
 †Loftus, Rosella
 *Logan, John A.
 †Lohmann, Elsa
 Loman, William

 Long, Helen N.
 Louis, Henry
 *Love, Dorothy
 †Luebbing, Emma
 †Luedtke, Charles
 †Luongo, Josephine
 Lynch, William
 *Lyons, Ethel
 McAllister, Gladys
 *McCabe, Mary W.
 *McClelland, Vesta G.
 McComas, Earl W.
 *McComas, Olive
 †McCormick, George E., Jr.
 †McCormick, John D.
 *McDonough, Anna
 McElroy, Evelyn E.
 *McFarland, Mazie B.
 McGinnis, Eleanor
 McIntyre, Bessie
 McKenna, Thomas
 McLaughlin, Fred
 *McMahon, Grace
 McMillion, Georgia E.
 *McMullen, Urban
 McMurray, J. Arthur
 *McSorley, Virginia J.
 *McSweeney, Helen
 *McWhorter, Marie L.

 D. C. 3440 Brown Street
 D. C. 3125 Newark Street
 D. C. 213 14th Street, S. E.
 Md. U. S. Geological Survey
 Ohio 1313 14th Street
 Mass. 1213 K Street
 D. C. 205 R Street, N. E.
 Tenn. 1824 23d Street
 D. C. Government Hotels
 Ill. Government Hotels
 Mass. 1634 Eye Street
 D. C. 1415 Chapin Street
 N. Y. 1645 K Street
 Va. St. Elizabeth's Hospital
 Conn. 3125 Newark Street

 N. Dak. 121 Willow Ave., Takoma Park
 D. C. 1503 30th Street
 Maine 21 Girard Street, N. E.
 D. C. 1819 Kenyon Street
 S. C. Government Hotels
 Md. Rockville, Md.
 D. C. 1026 Harvard Street
 D. C. 1309 Fairmont
 Tex. 1358 Oak Street
 D. C. 1333 L Street
 Pa. U. S. Tariff Commission
 D. C. 1736 G Street

 D. C. 4438 Kansas Avenue
 D. C. 136 East Capitol Street
 Mich. 30 Bliss Building
 D. C. 3715 Grant Road
 Va. Interstate Commerce Commission
 Nebr. 2003 Eye Street
 Pa. 1215 16th Street
 Mo. 1434 A Street, S. E.
 D. C. 1825 Lamont Street
 D. C. 1359 Monroe Street
 Ohio 5512 Connecticut Avenue
 D. C. 429 4th Street, N. E.
 D. C. Sherman Avenue, Takoma Park,
 D. C.
 Tenn. 1812 K Street
 D. C. 47 Quincy Place, N. E.
 Mo. The Highlands
 D. C. 26 Iowa Circle
 Minn. 2121 20th Street
 N. Y. 4538 Reno Road
 D. C. 2040 Que Street
 D. C. 629 Maryland Avenue, N. E.
 N. Y. 1104 M Street
 Va. 1437 Rhode Island Avenue
 Ill. Maury Apartments
 D. C. 1736 G Street
 D. C. 3816 Jocelyn Street, Chevy Chase
 Ind. 1107 O Street
 D. C. 1377 N. Carolina Avenue
 D. C. 2309 Washington Circle
 D. C. 1527 Upshur Street
 Va. 1701 Kilbourne Place
 Wisc. 1603 K Street
 Wisc. 1330 L Street
 N. Y. 3127 N Street
 Tex. 707 Otis Place
 Ohio 2109 F Street
 W. Va. 36 Adams Street
 N. J. 1759 P Street
 Texas 1322 Massachusetts Avenue
 D. C. 1836 Monroe Street
 Ala. Government Hotels
 1309 Emerson Street

- *MacCrindle, Loretta
 *Mack, Mrs. Elsie N.
 MacKay, William
 *Madden, Mrs. James
 A. B., Indiana University
 Main, William C.
 Majeska, Blanche
 Major, Ruth
 Malloy, Mrs. John J.
 *Malone, Mary C.
 *Mangan, Mary
 Marks, Arthur
 Marron, Eleanore
 *Marshall, Florence
 *Marsh, E. Marie
 Marshino, Ora
 Martin, Marguerite
 *Martin, Pearl
 Martus, Bertha
 *Mason, Adele
 Mason, Bess
 Mathis, Mary
 Matthews, Rosalie
 *Matsukato, Itsuki
 Maulbetch, Emily
 Mayes, Blanche G.
 Mechelke, Lynne
 *Meles, Claire
 Membert, James A.
 *Mengert, William F.
 Merrill, Nellie
 Merriman, Ervin
 A. B., G. W. U.
 *Milley, Nancy
 Miller, Eliza
 Miller, Mamie M.
 *Miller, Ruby G.
 †Mills, Helen
 Misner, Ada
 Mix, Anna E.
 Moffett, Mary
 Monachino, Marietta
 †Monar, Fred
 Monks, Dessa
 Montfort, Florence S.
 Moore, Daisy
 Montgomery, Martha
 *Moore, Lillian
 Moore, Louise
 *Moore, Marie
 Morgan, Frances W.
 †Morris, Julia C.
 Morris, Laura
 Morrison, Jean
 †Mosburg, Earl
 †Moser, Rose
 *Mosier, Robert
 *Moyer, Robert
 *Munsell, Edith
 A. B., Cornell University
 *Munsell, Cornelia
 †Napier, Mary
 *Nash, George
 Nash, Helen
 Naylor, Mary
 *Nealy, Harold
 *Nelson, Harold
 *Nemphos, Peter C.
 *Newcomb, Mary A.
 A. B. and T. D., 1917, George Wash-
 ington University
 *Newsome, Edith
 Nixon, Isabelle
 Noack, Fannie R.
- Conn. Government Hotels
 D. C. 2617 Garfield Street
 D. C. 210 Ethan Allan Ave., Takoma Pk.
 D. C. 1901 Colorado Road
 D. C. 20 Adams Street
 D. C. 2106 N Street
 D. C. Veitch, Va.
 D. C. 2701 Connecticut Avenue
 Mich. Government Hotels
 D. C. 5 Eye Street, N. E.
 D. C. 3544 13th Street
 D. C. 2006 Columbia Road
 D. C. 1646 Argonne Terrace
 D. C. 1205 15th Street
 Ky. Children's Bureau
 D. C. 4902 Arkansas Avenue
 Minn. Government Hotels
 N. Y. Government Hotels
 D. C. 1418 Massachusetts Avenue, S. E.
 Ky. Government Hotels
 Ga. 1747 F Street
 D. C. Florence Courts
 Hawaii 920 17th Street
 Pa. 1319 Massachusetts Avenue
 Ark. 925 N Street
 Wisc. 1419 Clifton Street
 D. C. 1528 34th Street
 D. C. 405 A Street, S. E.
 D. C. Kendall Green, Gallaudet College
 Kans. Government Hotels
 Ind. 400 M Street, N. E.
 D. C. The Northumberland
 D. C. 1410 Hopkins Place
 D. C. 3628 10th Street
 D. C. 2507 Hall Place
 Iowa 1603 K Street
 Ill. 1731 Columbia Road
 Canada 1407 15th Street
 Md. 113 Maryland Avenue, N. E.
 Pa. 1343 30th Street
 Pa. Wardman Park
 Wisc. 613 B Street, N. E.
 D. C. 203 D Street, N. E.
 Va. The Cairo
 Kans. 36 Adams Street
 Ohio 1822 Ontario Place
 D. C. 1318 L Street
 Va. 20 Elm St., North Clarendon, Va.
 Ohio 33 Woodstock St., Clarendon, Va.
 Nebr. 1201 16th Street
 Nev. Government Hotels
 D. C. 1150 North Capitol Street
 Mo. 920 Longfellow Street
 Md. 1708 Eye Street
 D. C. 1915 Eye Street
 Ind. Colonial Hotel
 Va. 1622 Park Road
 N. Y. 1801 I Street
 N. Y. 1801 Eye Street
 Tenn. 522 The Chastleton
 Ind. 912 19th Street
 D. C. 122 M Street
 D. C. 629 12th Street, N. E.
 D. C. 1711 East Capitol Street
 Mich. 1426 Webster Street
 Md. 1527 E. Baltimore St., Balto., Md.
 D. C. 144 12th Street, N. E.
 D. C. The Hudson
 D. C. 1338 New York Avenue
 D. C. 2551 17th Street

- *Nolan, Willis J.
 Nolte, C. R.
 O'Connor, Esther
 O'Connor, Lillie
 *Ogle, Mrs. Amy R.
 †O'Keefe, Teresa E.
 *Okey, Ella
 *Olson, Jean
 *O'Ready, William
 Ormerod, Frank
 †Ornstein, George
 †Orr, Flora
 *Oscar, Sarah
 Otterback, Sarah
 *Ottman, Charlotte, S.
 Outwater, Kate S.
 Owens, Raymond
 A. B., Randolph-Macon, 1917
 *Owens, William
 *Oxholm, Axel
 †Palmer, Margaret H.
 *Parker, Claude
 *Parker, Grace
 *Parsons, Gladys
 Pates, Arthur
 *Patterson, Donald
 Peirce, Lottie M.
 Pellew, Marion J.
 *Penn, George
 *Penn, Gladys
 Parowne, Ethel
 †Petrie, Edith
 Pickett, Wilhelmina
 Philibert, Estelle
 Phillips, Earl L.
 Phillips, Elsie
 Phillips, Everett
 Phillips, Rowena
 Pickering, Sam
 Pierson, Kate
 *Pippel, Paul
 *Pogge, Oscar
 Pollard, William G.
 Porter, Etta
 Porter, Dorothea
 Postley, Olive
 *Powell, Robert
 Power, Harry
 B. S., Washington State College
 *Powers, Mary
 *Prendergast, Alice
 *Price, Grace
 *Price, Levin
 Priest, Blanche
 Priestley, Anna
 *Pryor, Homer
 Purslove, Elsie
 *Pyle, Elizabeth
 A. B., 1919, Swarthmore
 *Quarnstrom, Ruth
 Radcliffe, Sarah
 Raison, Violet
 Ramey, Ora
 *Ramsell, Edith L.
 Ramsey, Susie F.
 *Randolph, Louise H.
 Rankin, Greta
 Rapuzzi, Margaret
 Rawls, Mayme
 *Reading, Margaret
 Reed, Arthur L.
 Reilly, Mary
 *Renfero, Charles

 D. C. 3200 19th Street
 D. C. 1612 V Street, S. E.
 D. C. 126 R Street, N. E.
 D. C. 1646 Monroe Street
 D. C. 1820 California Street
 D. C. 1138 Jefferson Street
 Ill. Government Hotels
 D. C. 438 New Jersey Avenue, S. E.
 S. Dak. 221 A Street, S. E.
 D. C. 1341 Kenyon Street
 N. Y. Hotel Colonial
 Wisc. Gordon Hotel
 D. C. 1209 6th Street, S. W.
 D. C. 1443 T Street
 D. C. 2117 3d Street, N. E.
 D. C. 620 F Street, S. W.
 Va. 119 8th Street, S. E.

 D. C. 3209 Highland Pl., Cleveland Pk.
 D. C. Department of Commerce
 Va. 1405 Girard Street
 N. J. 101 5th Street, N. E.
 N. H. Government Hotels
 D. C. 1104 M Street
 D. C. 4018 Marlboro Place
 D. C. 1300 Belmont Street
 D. C. 242 Government Hotels
 Md. 1637 Massachusetts Avenue
 D. C. 1621 R Street
 D. C. Wardman Park Hotel
 D. C. Government Hotels
 Pa. 3228 Park Place
 S. C. 504 Monmouth Apartments
 Mo. The Maury Apartments
 D. C. 1737 Corcoran Street
 N. Y. 1001 Alabama Avenue, S. E.
 D. C. 410 Surrey Street, Somerset, Md.
 Miss. 816 15th Street
 D. C. 3808 Kanawha Street
 N. Y. 1717 20th Street
 Ill. 1618 Hobart Street
 D. C. 2049 Park Road
 D. C. 1600 Rhode Island Avenue
 N. Y. 2023 G Street
 D. C. 1414 Irving Street
 D. C. Department of Interior
 Md. College Park, Md.
 D. C. 1724 Que Street

 Va. 1345 30th Street
 Mass. 914 Spring Road
 Ky. 1710 Rhode Island
 D. C. 3145 Mt. Pleasant Street
 Kans. 348 Government Hotels
 Mich. 2564 University Place
 D. C. 326 D Street, N. E.
 D. C. 1530 25th Street
 D. C. Wardman Park Hotel

 Mass. 2627 Adams Mill Road
 Va. 1846 Ingleside Terrace
 D. C. 709 Allison Street
 Texas 1332 15th Street
 Iowa 916 Longfellow Street
 D. C. 3082 Porter Street
 D. C. 2010 R Street
 D. C. 1205 15th Street
 D. C. 3563 Holmead Place
 Texas 1409 Massachusetts Avenue
 Pa. Government Hotels
 Va. 1738 F Street
 Va. Clarendon, Va.
 D. C. 1020 Fairmont Street

- *Revard, Myrtle
 Rhine, Alice
 *Rhoades, F. Lowell
 Rice, Gladys
 Rice, Helen
 Rice, Rudolph
 Richardson, Elizabeth
 Richart, Ruth
 *Robertson, Bertha
 *Rogers, Vassar P.
 †Romero, Bertha
 Rorer, Julia H.
 *Rose, Mrs. Robert
 †Rosenberg, Freda
 Ross, Cecil
 Rowe, Ellen
 Ruby, Charles
 *Rucker, Edwena
 *Ruchmon, Marjorie
 *Runyan, George
 Ruppert, Minnie
 Sachlis, Gus
 Samuels, Leroy
 Sanford, Eula
 Sank, Mrs. Louisa
 Sartain, R. L.
 *Sawyer, Annie
 Scala, Mrs. Julia
 Scarborough, Dorothy
 †Seisco, Lubert
 Scott, Mrs. Mary
 †Scudder, Sarah
 †Schaefer, Warren
 *Schaefer, Gladys
 Scharinger, Anna
 Schoenbauer, C. K.
 Schotthofer, Hildegard
 Schram, Martin
 Schreiber, Emma
 *Schreiner, Franc
 Schuttrumpf, Emma
 *Schwartz, Bertha
 †Schwartz, Erich
 Schwinghammer, Antoinette
 *Seaton, Elsie E.
 *Sebastian, Helen
 Sechrist, Edward
 Shanahan, Katherine
 Shanholtzer, Jas. C.
 †Shannon, Pauline
 †Shaw, Elizabeth
 *Shaw, Margaret
 *Shelton, Mamie R.
 †Shifflette, Joseph
 Shipley, Carrie H.
 *Short, Frances
 Shuman, Mary
 Shumate, Demma
 Shuss, Letitia
 B. S., Columbia University
 *Sill, J. Dwight
 Simmons, Mary E.
 Simpson, Mary K.
 A. B., Grove City College, Pa.;
 A. M., George Washington Uni-
 versity
 Simpson, Rachel
 Skyberg, Victor
 *Smith, Annie
 Smith, Charles W.
 *Smith, Dorothy
 †Smith, Florence
 *Smith, Gardner
 Smith, Isabelle
- Okla. Raleigh Hotel
 Md. 507 Evans Building
 D. C. 121 12th Street, S. E.
 D. C. 3153 Mt. Pleasant Street
 Mich. 2000 16th Street
 Pa. Falkstone Courts
 D. C. 1001 Alabama Avenue, S. E.
 D. C. 3420 16th Street
 N. Y. 908 South Carolina Avenue, S. E.
 Miss. 1821 19th Street
 France Central High School
 D. C. 1729 Corcoran Street
 D. C. 3615 Warder Street
 Md. 1356 Quincy Street
 D. C. 737 Princeton Place
 Fla. 302 Rhode Island Avenue
 Pa. 918 M Street
 D. C. 52 U Street
 D. C. 2254 Cathedral Avenue
 D. C. 1705 Lawrence Street
 D. C. 1825 Hamlin Street, N. E.
 D. C. 1253 Morse Street, N. E.
 D. C. U. S. Weather Bureau
 Ind. Government Hotels
 D. C. Government Hotels
 D. C. 14th and Rhode Island Ave., N. E.
 D. C. Government Hotels
 D. C. 808 East Capitol Street
 Texas 1402 16th Street
 Minn. The Wyoming
 D. C. 2025 Kalorama Road
 Ill. Edmore, Bethesda, Md.
 Ohio Takoma Park
 Minn. 1524 L Street
 Md. 2008 G Street
 Md. Government Hotels
 Ore. 2004 G Street
 D. C. 937 M Street
 D. C. 624 E Street, N. E.
 D. C. 174 You Street, N. E.
 D. C. 451 M Street
 D. C. 1402 Decatur Street
 Ill. 402 The Plaza Apartments
 D. C. 1860 Columbia Road
 D. C. 1813 Monroe Street
 D. C. 2534 Wisconsin Avenue
 D. C. 2007 Jackson Street, N. E.
 Kans. 3900 13th Street
 W. Va. 2030 G Street
 D. C. 228 14th Street, N. E.
 Md. 234 E Street, N. E.
 D. C. 2619 Woodley Road
 Va. 901 M Street
 W. Va. 208 A Street, S. E.
 D. C. 1467 Irving Street
 D. C. 1628 Columbia Road
 N. J. National Museum
 Va. 1413 Massachusetts Avenue
 Pa. 311 East Capitol Street
 Va. Greenwood, Va.
 Texas 13 Syracuse St., Takoma Park
 D. C. 3404 Prospect Avenue
- Ohio Government Hotels
 Iowa 7 Kendall Green
 D. C. 1808 Lamont Street
 Md. 626 Rock Creek Church Road
 D. C. 402 Aspen Street
 Pa. Government Hotels
 D. C. 922 M Street
 Ill. 5505 13th Street

Smith, Isabelle Geddes	D. C.	Portland Hotel
*Smith, Kathryn M.	Mo.	422 Senate Office Building
†Smith, Mrs. M. Comer	Ala.	1634 Eye Street
Smith, Marguerita E.	Pa.	Government Hotels
Smith, Mary Lee	Ky.	Gordon Hotel
*Smith, Ruth	N. Y.	2124 Cedar St., Mt. Rainier, Md.
†Smith, Uhl M.	Calif.	4613 Georgia Avenue
Suuffer, Alice I.	Mo.	314 East Capitol Street
*Sokolove, Marian	D. C.	32 Que Street
Somdal, Anna	D. C.	1638 16th Street
†Somers, Isabelle	Ky.	The Weaverly
*Soriano, Candido	Phil. Is.	1918 H Street
Sowder, Anna L.	Va.	1429 Rhode Island Avenue
†Speicher, Ethel	Ill.	1361 Irving Street
Spitzer, Atha	Va.	150 12th Street, N. E.
*Stabler, Ruth	D. C.	1119 Fairmont Street
Stalnaker, Adria	W. Va.	Government Hotels
Stambaugh, Josephine	D. C.	1240 D Street, N. E.
Stapels, Rachel	D. C.	1430 W Street
Starr, Relda	D. C.	120 Randolph Place
*Starz, Mae	Pa.	1125 Allison Street
†Steele, Mrs. Luella	Mich.	916 North Carolina Avenue, S. E.
*Stephens, Corinne	D. C.	The Westmoreland
*Stephens, Mamie A.	Ga.	3706 Ingomar Street
*Stephenson, Marion	Vt.	1117 14th Street
*Stevens, Margaret Hane	Md.	Bethesda, Md.
Stevens, Lloyd A.	S. Dak.	1734 K Street
*Stevenson, Mae	Ohio	Government Hotels
Stewart, Ernest	W. Va.	Y. M. C. A.
Stewart, Grace	W. Va.	Government Hotels
*Stewart, John	Del.	127 3d Street, N. E.
Stewart, Margaret	D. C.	Burlington Hotel
Stiles, Elizabeth	D. C.	The Dresden
Stockett, Monroe	D. C.	1309 North Carolina Avenue, N.E.
Stodder, Mary	D. C.	2410 Wisconsin Avenue
Stone, Alma	Mo.	1330 L Street
Stone, Virginia	Mo.	1330 L Street
*Stout, Forrest	Kans.	1813 F Street
*Stranghan, Marion	D. C.	1408 15th Street
Straw, Charlotte	D. C.	4624 9th Street
Stuard, Mabel	D. C.	2118 Eye Street
Sturgis, Hugh	Md.	Hyattsville, Md.
A. B., George Washington University		
Sullivan, Anne	Iowa	Government Hotels
Sutfin, Mary	Mich.	1770 Willard Street
*Sutherland, Margaret	D. C.	2119 Connecticut Avenue
*Sutton, Mrs. Blanche	Okla.	2112 F Street
†Sweet, Ruth	N. Y.	1539 18th Street
Swift, Mrs. Martha	Vt.	1313 Harvard Street
Sydnor, Robert	D. C.	434 New Jersey Avenue
*Syron, John F.	Pa.	519 L Street
†Tackwell, Hazel	Okla.	4128 8th Street
*Taggart, Virginia	D. C.	1277 New Hampshire Avenue
Tapley, Gladys	D. C.	1012 East Capitol Street
*Terhune, Helen	D. C.	3401 16th Street
*Thagaard, William	Norway	2400 16th Street
Thom, Adelaide H.	Minn.	1404 21 Street
Thomas, Mrs. Gertrude	D. C.	1231 Girard Street
Thompson, Frances	D. C.	947 14th Street, S. E.
Thompson, Minnie	D. C.	741 7th Street, S. E.
Thompson, Edith	N. Y.	1211 Rhode Island Avenue
*Thorwarth, Laura	Minn.	1320 Park Road
Thorwarth, Violet	Minn.	1320 Park Road
*Tillett, Janie	D. C.	1605 Irving Street
*Tilly, Laura	Tenn.	2711 Wisconsin Avenue
Toole, Bertha	Pa.	Government Hotels
Towner, William	N. Mex.	1128 25th Street
Townsend, L. Ray	D. C.	Clarendon, Va., Box 212
Treiger, Henry	Ore.	700 9th Street, S. W.
Trou, Robert	D. C.	1314 30th Street
Tucker, Max	D. C.	802 Massachusetts Avenue, N. E.
Tucker, Miss Sydney	D. C.	216 Chain Bridge Street

†Deceased.

- Tuohey, Jane
 *Turcotte, Alicia
 Turner, Jettie
 *Ulrich, Susanne
 Unhau, Katherine
 Underwood, Frederick B.
 Vance, Ethel
 Vernon, Maurice
 Vincel, Edna
 Vipond, A. Stuart
 Waddey, Elizabeth
 Wadsworth, Robert
 Wagner, Bernard
 *Walker, Alexander
 Wang, Teng Yun
 Ward, Ada
 †Ward, Alice
 Warneke, Mrs. C. A.
 *Wardell, Mrs. Ruth
 LL. B., Washington College of Law
 Warner, Anna
 Warner, Edith
 Warner, Marion
 Warren, Milton
 Wascher, Ethel
 Wasney, Margaret
 Watts, Mary
 Weaver, Marjorie
 *Weber, Lulu
 Wedderburn, Carolyn A.
 Wedgworth, May
 Weeks, Elsie
 Weems, Mayme
 Weems-Steiner, Clara
 Weir, Margaret
 Westerman, Zana
 A. B., 1913, Goucher College
 *Werner, Margaret
 Wetzel, Elsie
 *Wheeler, Mrs. Helen
 *Wheelock, Mable
 Whipple, Verna A.
 White, Florence
 *White, Sarah
 †Whitmore, Charles
 Wibirt, Margaret
 *Wiles, Walter
 Wilkinson, Lucille
 Willard, Emma
 *Willmott, Laura
 *Wills, Wyndham
 *Williams, Dorothy
 Williams, Eleanor
 Williams, Florence
 Williams, Hazel F.
 *Williams, Katherine
 *Williams, Lillian
 *Williams, Linnie
 *Williams, Martha
 *Williams, Myra
 Williams, Ray T.
 Wilson, Blanche
 Wilson, Edith
 Wilson, Harry H.
 Wilson, Isabel
 *Winarska, Nina
 *Winch, Mildred
 Wingate, Florence
 *Winslow, Ethreyn
 *Wise, Grace
 Wood, Rue C.
 Woodin, Mrs. Virginia
 *Woodley, Mrs. Virginia
 *Woodward, John
- N. Y.
 Mass.
 Texas
 D. C.
 D. C.
 D. C.
 D. C.
 D. C.
 Va.
 D. C.
 D. C.
 N. Y.
 Ohio
 N. C.
 China
 D. C.
 Mich.
 Ind.
 D. C.
 D. C.
 Ind.
 N. Y.
 Pa.
 Ill.
 D. C.
 Va.
 Md.
 W. Va.
 D. C.
 D. C.
 D. C.
 D. C.
 Tenn.
 D. C.
 Md.
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 Ky.
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 D. C.
 W. Va.
 Tenn.
 Ind.
 Md.
 D. C.
 Mo.
 D. C.
 D. C.
 Iowa
 Okla.
 D. C.
 D. C.
 Ind.
 Poland
 Mass.
 D. C.
 Pa.
 D. C.
 D. C.
 D. C.
 D. C.
 D. C.
 D. C.
- 34 Rhode Island Avenue
 1915 Eye Street
 1114 Vermont Avenue
 South Clifton Terrace
 3305 16th Street
 5600 Columbia Avenue
 315 John Marshall Place
 1009 New Hampshire Avenue
 Federal Trade Commission
 3332 17th Street
 3023 Que Street
 1825 North Capitol Street
 37th and O Streets
 1310 Connecticut Avenue
 644 Munsey Building
 Government Hotels
 Government Hotels
 2120 G Street
 165 V Street
 2001 16th Street
 6515 8th Street
 Government Hotels
 1750 Massachusetts Avenue
 Government Hotels
 716 Maryland Avenue, N. E.
 1104 M Street
 1330 L Street
 505 Columbia Road
 1356 Fairmont Street
 311 C Street
 1440 R Street
 1319 Massachusetts Avenue
 Clifton Terrace
 Takoma Park, Md.
 Government Hotels
 Government Hotels
 4411 39th Street
 1214 New York Avenue
 1201 16th Street
 1801 Eye Street
 721 Quebec Place
 Government Hotels
 Naval Medical School
 Glencaryn, Va.
 1620 Massachusetts Avenue
 1821 Kalorama Road
 Children's Bureau
 Government Hotels
 1113 Rhode Island Avenue
 701 C Street, S. W.
 1507 M Street
 3005 11th Street
 920 Longfellow Street
 343 Senate Office Building
 1223 Vermont Avenue
 1501 16th Street
 1822 You Street
 512 Tennessee Avenue, N. E.
 520 E Street
 Government Hotels
 1505 Crittenden Street
 4004 Georgia Avenue
 Hotel Roosevelt
 601 E Street
 422 Senate Office Building
 2641 Garfield Street
 Government Hotels
 2515 Ontario Road
 Falkstone Courts
 1727 Lamont Street
 The Chastleton
 1830 Connecticut Avenue

†Woodward, N. Faye
 *Worster, M. V.
 Wright, Ethel
 Wright, Hilda
 Wright, Mabel
 *Wright, Rose
 Yeatts, Harry
 *Yosgaur, Sonia S.
 *Young, Augusta
 M. A., 1920, George Washington
 University
 *Young, Verna
 *Young, Ethel
 Zandonini, Elizabeth
 *Zeigler, Charlotte
 †Zeimet, Carlo
 *Zimmerman, Fred

Kans. 206 Clifton Terrace South
 D. C. 942 B Street, S. W.
 Va. 1834 Columbia Road
 Va. The Chastleton
 D. C. 4011 8th Street
 D. C. 496 Maryland Avenue, S. W.
 Va. Y. M. C. A.
 D. C. 1411 Monroe Street
 D. C. 1830 16th Street
 Miss. 1658 Euclid Street
 Mich. Government Hotels
 D. C. 3320 19th Street
 Pa. 1112 13th Street
 Switzerland 949 Virginia Avenue, S. W.
 D. C. 2311 North Capitol Street

SPECIAL PRE-MEDICAL

Alpher, Isadore Meyer (33)
 †Andrews, Lale Clark (0)
 Beam, Vernon B. (0)
 Berman, Samuel Benjamin (30)
 Bibb, Walter P. (0)
 Boaz, T. D. (0)
 Boyd, George Washington F. (0)
 *Brimer, Thomas J. (57)
 *Brookley, Charles Robert (0)
 Brotman, Melvin (43)
 *Butler, Arden Jones (48)
 Calhoun, E. J. (35)
 †Callahan, Claude M. (0)
 Calvin, Chas. H. (0)
 Cass, Billie (0)
 *Cameron, Stephen F. (0)
 Colon, Julio E. (45)
 Congdon, Richard Gates (55 1/4)
 Copping, John Blake (39)
 Creveling, Cyrus Robbins (48)
 Daughton, Alva Duckett (0)
 Detweiler, Donald J. (27)
 Detweiler, William Shambough (0)
 Deuterman, Joel LeRoy (44)
 Dewey, George (0)
 *Dillon, Ralph (0)
 Ducey, Edward Frances (0)
 Egli, Edwin B. (55)
 †Evans, Milton James (0)
 Farrar, Frederick W. (37)
 Felps, Hugh Edgar (50)
 Figari, Alberto (0)
 Fletcher, Albert III (6)
 Gable, George Roland (30)
 Ginsburg, Harry (30)
 Gladmon, Oliver M. (30)
 †Goldstein, Alfred (61)
 Gordon, Leon Stuart (6)
 Graeff, Earl W. (32)
 Graffius, Donald W. (24)
 Green, Holland H. (49)
 Gross, Charles E. (33 1/2)
 Haas, Nelson W. (37)
 Hall, John Fontaine (0)
 Hamilton, Philip W. (0)
 Harmon, Robert Howe (10)
 Heron, Holland (11)
 Hixson, Clayton H. (34)
 †Hoover, Irwin (0)
 *Hubert, Norville S. (0)
 †Hughes, William H. (45)
 *Hutaff, Mildred (50)
 Hutchinson, Raymond B. (6)

D. C. 20 New York Avenue
 Mo. 1917 N Street
 D. C. 3732 Jocelyn Street
 D. C. 1138 7th Street
 Va. 1729 Riggs Place
 Ky. 108 Oak St., S. Clarendon, Va.
 D. C. 111 12th Street, N. E.
 D. C. 1018 C Street, N. E.
 D. C. 2605 Adams Mill Road
 D. C. 1430 Meridian Place
 Tenn. 935 H Street
 D. C. 1201 Girard Street
 Ind. 1311 K Street
 N. J. 1719 Eye Street
 Va. 117 Mason Street, Thrifton, Va.
 Md. 1017 O Street
 P. R. 4512 Georgia Avenue
 N. J. 2029 Allen Place
 D. C. 1632 17th Street
 Pa. 511 9th Street, S. W.
 Va. East Falls Church, Va.
 D. C. 1120 Virginia Avenue, S. W.
 Va. 802 Madison Street
 Va. 1301 H Street,
 D. C. 1127 6th Street
 N. C. 213 West Clifton Terrace
 Mich. 1711 Que Street
 Iowa The Leamington
 Ohio 1719 Coreoran Street
 D. C. 1452 Euclid Street
 Tenn. 1531 P Street
 Peru 1424 Rhode Island Avenue
 Va. Warrenton, Va.
 D. C. 4729 Georgia Avenue
 D. C. 50-52 N Street, S. W.
 D. C. 1462 Colorado Road
 D. C. 633 D Street
 D. C. 321 N Street, S. W.
 Pa. 2007 G Street
 Pa. 116 Massachusetts Avenue
 Ind. 2032 Eye Street
 D. C. 304 Seaton Place, N. E.
 N. Y. U. S. Weather Bureau
 Md. Bethesda, Md.
 D. C. 620 Greshaw Place
 Miss. 1952 Calvert Street
 D. C. 5437 Connecticut Avenue
 D. C. 624 Irving Street
 D. C. 2221 1st Street
 D. C. 1000 Virginia Avenue, S. W.
 D. C. 1704 G Street
 N. C. 1104 M Street
 D. C. 619 7th Street, N. E.

- Irizarry, Benito A., Jr. (42)
 Jansen, Russell John (61)
 *Johnson, William V. J. (0)
 *Joost, David (74)
 *Jones, Waldo Hillman (32)
 *Kelly, Joseph G. (0)
 *Keough, Edison (0)
 Kingsbury, Charles (0)
 Kirk, Ella J. (30)
 Kirk, May F. (14)
 Krause, Edward A. (92)
 Kundahl, Rose E. (18)
 Lasky, Louis (0)
 Lawton, William (0)
 Litteral, Emmet B. (10)
 McKee, Hazel E. (0)
 McLain, George (0)
 McLain, John Edward (0)
 †Mann, Enos H. (0)
 *Marks, Arthur (0)
 Marsh, L. Cody (Rev.) (0)
 *Monaghan, Joseph C. (0)
 Morse, Willis B. (3)
 Murray, Raymond W. (53)
 *Myers, Elmer C. (0)
 Nicklas, Edward W. (0)
 Nieto, Arthur M. (44)
 Oertly, Allan W. (36)
 *Orrison, Robert C. (0)
 *Pattison, Charles E. (0)
 Phillips, Gordon H. (0)
 †Porter, George B. (0)
 Putnam, Persis (13)
 Ramos, Jose Leblon (30)
 *Rea, Courts D. (39)
 Reeve, Roy M. (0)
 Riley, Terrence G. (0)
 †Robards, Everett A. (0)
 Robb, Theodore (30)
 Rooney, Harold E. (13)
 Ross, Charles A. (0)
 Ryland, Charles P. (0)
 *Safirstein, William (30 1/4)
 Schotts, Isia (0)
 Seiler, Benjamin (49)
 *Seward, Doris M. (37)
 Smart, Elsie R. (0)
 Smithwick, James E., Jr. (0)
 Smith, Baxter (27)
 Smith, E. Kirby (54)
 Sosa, Eduardo M. (43)
 †Spano, Raphael (0)
 Spurgeon, William W. (19 1/4)
 Stewart, James W. (0)
 Stokes, Walter R. (0)
 Stuart, Francis E. (18)
 *Tarwater, Elmer L. (24)
 Villaneuva, Paterno (40 3/4)
 Walker, V. LaFerme (20)
 Walter, Emory E. (18)
 Washington, Daniel B. (0)
 Weedon, Frederick R. (150 1/4)
 B. S., University of Florida
 Weeks, Norman E. (24)
 Wildman, Thomas A. (27)
 Wilson, John N. (42)
 Wilton, Ralph W. (43)
- P. R. 1324 Massachusetts Avenue
 Minn. 1734 K Street
 D. C. 1813 M Street
 Texas 2003 H Street
 D. C. 3625 10th Street
 D. C. 435 15th Street, S. E.
 W. Va. 53 Eye Street
 D. C. 1009 Rhode Island Avenue, N. E.
 D. C. 308 F Street
 Md. 308 F Street
 Kans. 1223 12th Street
 D. C. 59 Bryand Street
 Russia 4000 3d Street
 S. C. 1315 Belmont Street
 Mo. 1434 A Street, S. E.
 Mo. Government Hotels
 D. C. 812 20th Street
 D. C. 812 20th Street
 Penn. 1916 Eye Street
 D. C. 3544 13th Street
 Va. Alexandria, Va., P. O. Box 1010
 Pa. 10 4th Street, N. E.
 Pa. 145 Rhode Island Avenue
 D. C. 209 6th Street, N. E.
 D. C. 24 Grant Place
 D. C. 1367 Irving Street
 Honduras 1116 Vermont Avenue
 D. C. 1217 Quincy Street, N. E.
 D. C. 5520 Carolina Place
 Ga. 1832 Biltmore Street
 D. C. 1420 Hopkins Place
 D. C. 80 T Street
 Ill. U. S. Public Health Ser-ice
 P. R. 1230 Massachusetts Avenue
 Ind. 3601 Lowell Street
 Va. Army Medical Museum
 Del. 1832 Biltmore Street
 Ind. 516 Varnum Street
 D. C. 11 Banner St., Hyattsville, Md.
 N. J. 1627 16th Street
 D. C. 1324 Kenyon Street
 Va. 14 Elm Street, Clarendon, Va.
 D. C. 1135 6th Street
 D. C. 1901 D Street
 N. Y. 606 22d Street
 Vt. 1341 A Street, N. E.
 D. C. 237 Rhode Island Avenue
 N. C. 1916 16th Street
 Va. East Falls Church, Va.
 Ill. 221 E Street, S. E.
 Panama Panama Legation
 N. Y. 2011 F Street
 N. C. 3442 Oakwood Terrace
 D. C. 1108 13th Street
 D. C. 508 Clifton Terrace
 Va. 4407 17th Street
 Mo. 1402 16th Street
 D. C. Providence Hospital
 Ill. 723 8th Street, N. E.
 D. C. 3913 McKinley Street
 D. C. 809 K Street, N. E.
 Fla. 1937 Biltmore Street
- D. C. 1026 Irving Street, N. E.
 D. C. 1232 Euclid Street
 Md. 2825 14th Street
 D. C. 1919 Eye Street

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 Atalla, George G. (45)
 Balter, Abraham (42)
 Becker, Joseph (0)
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 Egypt 1127 11th Street
 Pa. 2015 G Street
 D. C. 5625 Georgia Avenue

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Bonanno, Emil S. (36)	N. Y.	1618 H Street
Cromer, Jerry K. (15½)	Va.	1218 11th Street
Gilbert, Harry A. (27)	Okla.	1758 N Street
Gittleman, Morton (36)	D. C.	1328 7th Street
*Handcock, Esther V. (51)	Dom. Rep.	2140 Pennsylvania Avenue
*Hollingsworth, Russell K. (36)	D. C.	2017 Nichols Avenue, S. E.
Ketner, Fred Y. (40)	N. C.	2122 N Street
Latimer, Ray D. (0)	W. Va.	707 20th Street
Lewis, Julius E. (60)	D. C.	1742 Riggs Place
Osterhout, Karl J. (40)	Pa.	1518 Newton Street
Schwinn, George H. (8)	D. C.	1731 Columbia Road
Wiard, George C. (47)	Va.	933 New York Avenue

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†Berman, Harry (Chem. Eng., 26)	D. C.	644 B Street, S. W.
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Blinston, Chester A. (E. E., 57)	D. C.	1527 Newton Street
Bogert, Howard Z. (C. E., 0)	N. J.	130 Bryant Street
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Brown, Vernon L. (E. E., 0)	D. C.	1327 Irving Street
Bruce, Clarence S. (M. E., 41)	D. C.	2601 11th Street
Brumbaugh, Elliot F. (M. E., 4)	Pa.	1954 Biltmore Street
†Bryant, Cecil (M. E., 56)	Mass.	1826 G Street
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Burgess, Sidney H. (C. E., 4)	D. C.	1239 Perry Street, N. E.
Burk, Paul W. (M. E., 66)	D. C.	1322 5th Street
Burner, Charles A. (C. E., 61)	D. C.	5322 41st St., Chevy Chase, D. C.
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Burritt, Loren (Chem., 98)	D. C.	1855 Calvert Street
Burrows, Hubert (C. E., 0)	N. J.	607 4th Street

*Bush, Clarence (E. E., 28)	D. C.	1812 Park Road
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Carter, Robert (C. E., 41)	Ind.	3512 10th Street
Chase, William D. (Chem. Eng., 44)	D. C.	726 Shepherd Street
Chatelain, Leon (Arch. 46)	D. C.	1125 17th Street
*Chew, Albert (E. E., 0)	D. C.	1401 Columbia Road
Clarvoe, George W. (Chem. Eng., 29)	D. C.	4106 Illinois Avenue
*Clendenning, Cyrus (C. E., 0)	D. C.	5604 16th Street
Coe, Bryan (M. E., 36)	D. C.	103 6th Street, N. E.
*Coghlan, Thomas F. (E. E., 32)	D. C.	21 You Street, N. E.
*Collins, Linwood L. (Chem. Eng., 0)	Ariz.	Commercial National Bank
Commulada, Manuel (C. E., 0)	P. R.	Washington Barracks, D. C.
Connelly, Bernard M. (C. E., 24)	D. C.	1234 Girard Street, N. E.
Cooper, Charles T. (E. E., 0)	D. C.	3320 16th Street
Coronel, Leopoldo (Arch., 0)	Phil. Is.	1738 F Street
*Cowper, William (M. E., 0)	D. C.	1656 Rosendale Street, N. E.
†Cox, Thomas A. (M. E., 0)	W. Va.	2641 North Capitol Street
Craver, Theodore (E. E., 60)	Va.	Manassas, Va.
Crews, Maurice (Phys., 67)	D. C.	517 East Capitol Street
Cross, Howard (Chem. Eng., 21)	D. C.	1222 8th Street
Crosthwait, Stanley (E. E., 22)	Md.	3 Guy Avenue, Hyattsville, Md.
Crotty, Joseph (C. E., 78)	N. Y.	1326 Vermont Avenue
Davis, Channing (E. E., 0)	D. C.	918 M Street
Davis, Frank (C. E., 0)	Ga.	1312 N Street
Demerest, Everett (M. E., 0)	Va.	East Falls Church, Va.
Dempsey, James B. (M. E., 26)	Kans.	Bureau of Standards
†Deutsch, Cecil (M. E., 0)	Iowa	361 Newark Street
Disney, Lindsay (M. E., 98)	D. C.	1212 B Street, S. E.
Dixon, Harry (Chem. Eng., 69)	D. C.	1323 Vermont Avenue
Doran, Helen F. (Chem., 0)	D. C.	101 Taylor Street, Chevy Chase
Dow, Irving (E. E., 42)	D. C.	2047 Park Road
*Duft, Harry (E. E., 52)	Ill.	1719 Eye Street
Dutton, Harold (C. E., 105)	D. C.	1721 Kilbourne Place
Earle, Clarence (Chem., Eng., 132)	Colo.	Navy Department, Room 2224
Earle, Sherod (M. E., 37)	D. C.	1312 Randolph Street
Eisinger, John (M. E., 97)	D. C.	3503 Wisconsin Avenue
Eliason, Howard (M. E., 16)	D. C.	1314 Columbia Road
Engel, Francis (E. E., 50)	D. C.	1108 Columbia Road
Engel, Leslie (M. E., 35)	D. C.	1456 Spring Road
Epperson, William (Chem. Eng., 61)	Mo.	Y. M. C. A.
Ergood, Allen (Chem. Eng., 64)	D. C.	6223 9th Street
Erickson, Gilbert (E. E., 0)	D. C.	5605 Broad Branch Road
†Ervin, Clyde F. (Chem. Eng., 4)	Texas	3614 Newark Street
Etchison, Frank (C. E., 31)	Md.	Gaithersburg, Md.
Evans, Allen (Chem. 0)	D. C.	1151 North Capitol Street
Everett, Hugh (C. E., 21)	Tex.	161 Adams Street
*Ewen, James (EE, 24)	Ind.	1007 20th Street
Ewin, James L. (C. E., 30)	D. C.	3629 10th Street
Exner, Bert (Chem. 118)	N. J.	Scotch Plains, N. J.
Fahy, Joseph (Chem. Eng., 55)	D. C.	5 N Street N. W.
†Fair, Ralph (Chem., 15)	Va.	213 S. Lee Street, Alexandria, Va.
Fajardo, Gregorio (C. E., 0)	D. C.	214 2d Street, S. E.
Farmer, Albert R. (E. E., 34)	D. C.	1264 Columbia Road
*Ficklen, Holmes (C. E., 79)	D. C.	1823 Biltmore Street
†Fillius, Arthur (Chem., 0)	D. C.	4126 5th Street
Fisher, Isaac (M. E., 0)	D. C.	1847 Ontario Place
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Fountain, Lawrence (E. E., 3)	Va.	Ballston, Va.
Foster, Hampton H., (C. E., 0)	D. C.	2960 Newark Street
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*Francis, Edward (E. E., 0)	Ohio	1905 G Street
Free, Walter H. (M. E., 140)	Iowa	3320 16th Street
Freehof, Hyman (C. E., 0)	D. C.	229 R Street
Friedman, Solomon (C. E., 92½)	D. C.	1534 14th Street
*Fuglister, George (Chem. Eng., 0)	D. C.	2224 F Street
Furr, Roger T. (M. E., 0)	D. C.	3114 Dumbarton Avenue
Gage, Lawrence A. (Physics, 24½)	D. C.	3905 Legation Street
*Gannaway, Charles (M. E., 7)	D. C.	2015 G Street
†Garman, George (E. E., 38½)	Pa.	2031 2d Street, N. E.
Gartside, Frank (C. E., 114)	Md.	1729 New York Avenue

- Gatchell, Louis R. (Arch., 2)
 Gibson, Carter (C. E., 0)
 Girouard, Philius (M. E., 58)
 Gittleman, Raymond (Arch., 0)
 Gleason, Walter (M. E., 4)
 †Glenn, Thomas A. (M. E., 53)
 Glycofrides, Eustace (Chem., 140)
 Goldsmith, Joseph (C. E., 35)
 Gonzalez, Roman (C. E., 18)
 *Goodall, Alfred (C. E., 88)
 Gosnell, Clarence (C. E., 8)
 Gould, Murray W. (E. E., 24)
 Graff, George (Chem. Eng., 0)
 Graham, Daniel (Chem. Eng., 66)
 Graham, George (M. E., 46)
 Gray, Briscoe (M. E., 2)
 Gray, Joseph (C. E., 21)
 Greenberg, William (C. E., 38)
 Greenman, Ralph (C. E., 59)
 Greenwood, Audley (M. E., 22)
 Grimaldo, Jose (C. E., 0)
 Groome, George (Chem. Eng., 26)
 †Hagerty, Virgil L. (Arch., 0)
 *Hahn, Dwight (E. E., 0)
 Hainsworth, R. G. (C. E., 29)
 Hall, Wallace (Chem., 52)
 Hammond, Leigh (C. E., 74)
 Hann, Raymond M. (Chem., 69)
 Harbaugh, Y. D. (C. E., 26)
 Harrington, George (Chem., 89)
 Harris, Phillip (C. E., 54)
 Harrison, Arthur (Chem., 85)
 Hartman, Arthur (C. E., 87)
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 Heckert, George (C. E., 45)
 †Hedrick, Benjamin (Arch., 40)
 Heid, John L. (Chem. Eng., 108)
 Henderson, Stanley (C. E., 0)
 Henkin, Benjamin (Chem. Eng., 65)
 Hensley, Richard (E. E., 32)
 Hepburn, David (M. E., 30)
 Higgins, James (Arch., 0)
 †Hill, Graham (E. E., 0)
 Hill, Hugh P. (C. E., 109)
 Hobson, John (Chem. Eng., 42)
 Hobson, Melvin (Arch., 34)
 Homan, Lester (C. E., 93)
 †Hopkins, W. Bernard (C. E., 0)
 Hough, Catherine (Arch., 32)
 Howard, Forrest (M. E., 34)
 †Howard, Paul (Chem., 0)
 Howard, Robert (C. E., 0)
 Howenstein, Rowland (Chem., 0)
 Howison, Raynor (C. E., 84)
 Hull, John (M. E., 62)
 Hunt, Margaret (Chem., 0)
 Huntington, Carl (E. E., 100)
 Hutchinson, Lee Roy (M. E., 0)
 Hyde, John K. (M. E., 4)
 Hyde, Lawrence K. (M. E., 74)
 Imus, Alden (Chem. 66)
 Lo Jacono, Salvatore (C. E., 0)
 James, Henry (C. E., 50)
 *Javellana, Jose (E. E., 25)
 Jeffrey, James H. (Arch., 78)
 Jenkins, Wm. A. (Arch., 38)
 Jester, Leon W. (Arch., 0)
 Jett, James (C. E., 36)
 Johannessen, Vaughn (E. E., 34)
 Johnson, Clair (Chem., 132)
 Johnston, Leighton (E. E., 29)
 †Jones, Arthur (Arch., 0)
 Jones, Charles (Arch., 69)
 *Jones, Edward (C. E., 0)
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 1332 Eye Street
 3300 18th Street, N. E.
 1202 Florida Avenue, N. E.
 1328 7th Street
 604 Park Road
 1826 G Street
 15 Massachusetts Avenue
 Vienna, Va.
 2005 New York Avenue
 1824 Ingleside Terrace
 103 2d Street, N. E.
 121 Kentucky Avenue, S. E.
 3323 14th Street, N. E.
 12 Rhode Island Avenue, N. E.
 1842 Calvert Street
 1801 K Street
 452 Maryland Avenue, S. W.
 601 E Street, S. E.
 2850 Connecticut Avenue
 1316 Irving Street
 1424 Rhode Island Avenue
 649 A Street, N. E.
 813 21st Street
 Glenndale, Md.
 321 13th Street, S. W.
 86 V Street
 8 Boyd Ave., Takoma Park, Md.
 1018 Massachusetts Avenue, N. E.
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 4641 Conduit Road, D. C.
 2030 G Street
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 1414 Girard Street
 3432 Lowell Street
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 3240 S Street
 Y. M. C. A.
 7 Iowa Circle
 48 G Street, S. W.
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 1207 Shepherd Street
 139 11th Street, N. E.
 Brentwood, Md.
 1217 Otis Place
 104 R Street, N. E.
 436 M Street
 1423 Monroe Street
 Falls Church, Va.
 912 Shepherd Street
 Falls Church, Va.
 The Kenesaw
 1407 Montague Street
 Arlington, Va.
 1913 Kenyon Street
 Patent Office
 624 Quebec Place
 46 Bryant Street
 46 Bryant Street
 Mount Rainier, Md.
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 5324 Illinois Avenue
 115 2d Street, N. E.
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 202 Flakstone Court
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 Kampe, Albert (C. E., 91)
 Kane, Anthony (Chem., 48)
 Kane, Margaret (Arch., 0)
 Kaplan, Isadore (C. E., 33½)
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 Keegan, Harry (Chem. Eng., 24)
 Keefauver, Lester (Arch., 94)
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 Llompert, Jose (Chem. Eng., 114)
 Lloyd, Daniel (C. E., 127)
 Lochler, Paul (C. E., 89)
 Long, Frederick (C. E., 0)
 Long, Nellie (Chem., 0)
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 *McBride, William (E. E., 5)
 McBroom, Walter (C. E., 0)
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 McCoy, John S. (Chem., 110)
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 Marland, Milton (C. E., 33)
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 Mockbee, Harry (Chem. Eng., 0)
 Moeller, Otto (Chem., 87)
 Moeller, Rudolph (Chem. Eng., 0)
 Moore, Goggin (Arch., 60)
 †Moore, James (C. E., 0)
 Va.
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 Texas
 16 Ballston Road, Cherrydale, Va.
 129 11th Street, N. E.
 1332 Irving Street
 1719 Eye Street
 723 19th Street
 712 North Carolina Avenue, S. E.
 439 7th Street, S. W.
 642 5th Street, N. E.
 208 10th Street, N. E.
 524 4th Street, N. E.
 Y. M. C. A.
 6204 Brooksville Road, Chevy Chase, Md.
 1620 Decatur Street
 1333 East Capitol Street
 1916 Eye Street
 226 S Street, N. E.
 1734 K Street
 1123 Euclid Street
 1219 Girard Street
 5624 37th Street
 2140 N Street
 1006 E Street, S. W.
 1016 9th Street, N. E.
 227 Indiana Avenue
 3114 Dumbarton
 210 B Street, S. E.
 72a Bates Street
 122 Bryant Street
 57 Quincy Place, N. E.
 1823 19th Street
 The Home Apartment, 7 and K Sts.
 707 Mt. Vernon Place
 2106 F Street
 16 Princeton Ave., Glen Echo, Md.
 1736 G Street
 3509 T Street
 605 22d Street
 4512 Georgia Avenue
 1842 California Street
 1408 Montague Street
 1312 N Street
 The Octavia
 633 East Capitol Street
 Clinton, Md.
 2633 Garfield Street
 3301 Highland Place
 3311 P Street
 Cherrydale, Va.
 3912 13th Street
 1734 K Street
 312 McLean Avenue, S. W.
 3530 T Street
 1819 G Street
 459 H Street
 Y. M. C. A.
 510 Varnum Street
 1427 Buchanan Street
 3405 Nichols Avenue, S. E.
 210 B Street, S. E.
 2471 18th Street
 1858 California Street
 1715 Oregon Avenue
 317 A Street, N. E.
 2930 Upton Street
 5008 13th Street
 3025 15th Street
 3500 9th Street, N. E.
 4423 8th Street
 13 Channing Street, N. E.
 1341 Meridian Place
 203 County Road, Cherrydale, Va.
 413 Kentucky Avenue, S. E.
 The Wentworth
 2106 G Street

- *Morat, Herbert (M. E., 0)
 Morgan, Henry W. (Arch., 0)
 Moseman, John W. (M. E., 32)
 Mushake, William (C. E., 110)
 Mutchler, Willard (Chem. Eng., 19)
 Myers, Alfred (Chem. Eng., 0)
 Myers, Wilmer (E. E., 0)
 Newcomer, Harry (Chem. Eng., 89)
 Newman, Jacob (Chem. Eng., 26)
 *Nichols, Harry (M. E., 19)
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 Niemeyer, Herbert (E. E., 41)
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 Nix, Julius C. (Arch., 27)
 Nolan, Edward (Chem., 0)
 †Nugent, John (C. E., 0)
 *Nutt, Charlie (Arch., 35)
 O'Callahan, Wilton (M. E., 4)
 *Ogle, Ralph (Arch., 0)
 *O'Keefe, Thomas (E. E., 3)
 Owens, Byron (Chem. Eng., 104)
 Pardoe, Edward (C. E., 78)
 Parker, Thornton (M. E., 128)
 Parker, Willard (C. E., 0)
 Patrick, Percy (E. E., 60)
 *Patton, Gordon (E. E., 66)
 Payne, Howard (C. E., 39)
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 *Pearson, Guy (M. E., 0)
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 *Peters, Dorothy (Arch., 4)
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 Pim, James H. (E. E., 67)
 †Pitts, Reginald (Chem., 37)
 Polk, Irl (C. E., 83)
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 *Powell, James E. (C. E., 10)
 Prendergast, W. L. (M. E., 43)
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 Quinn, Edward (M. E., 88)
 *Ramsey, Osman (E. E., 56)
 Raub, Clifford (Chem. Eng., 23)
 *Reed, Douglas (C. E., 110)
 *Reed, Edward (C. E., 22)
 Rees, Evelyn (Arch., 0)
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 Riley, Thaddeus (Chem. Eng., 24)
 *Ring, Gustave (Chem. Eng., 19)
 Ritchie, Don (Chem., 2)
 Roberts, George (Chem. Eng., 68)
 Robey, Charles (C. E., 0)
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 Rosenberger, George (E. E., 0)
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 *Ruppert, Howard (Chem. Eng., 0)
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 *White, Joseph (C. E., 31)
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 Wilcox, Marguerite (Chem., 12)
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 Wills, George (Physics, 0)
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 D. C. 1349 Otis Place
 Iowa 28 Marion Ave., Clarendon, Va.
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 D. C. 1438 Chapin Street
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 D. C. 1921 Lawrence Street, N. E.

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Yingling, Clinton (C. E., 85¼)	D. C.	1105 17th Street

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 Ohio 1918 Eye Street
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 N. Y. 611 Massachusetts Avenue
 D. C. 1422 Rhode Island Avenue
 N. J. 1416 Rhode Island Avenue
 D. C. 1340 F Street, N. E.
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 D. C. 3030 Que Street
 Pa. 1342 Otis Place
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 D. C. 4313 Kansas Avenue
 D. C. 705 Mt. Vernon Place
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 R. I. 2856 28th Street
 N. J. 1430 Newton Street
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 Minn. 2221 35th Street
 Pa. 3609 12th Street, N. E.
 D. C. 707 22nd Street
 D. C. 20 9th Street, S. E.
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Coope, Jessie (88)	D. C.	706 11th Street
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Cornell, Florence (0)	D. C.	2727 30th Street, N. E.
Cornell, Ullaine (60)	D. C.	906 East Capitol Street
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Cramer, Mary (30)	D. C.	3036 1st Street
Crockett, Bessie L. (101)	D. C.	1617 Swan Street
Crook, Anna M. (54)	D. C.	1819 Irving Street
Crook, Ella M. (58)	D. C.	1819 Irving Street
Cullen, Ruth (0)	Ill.	Government Hotels
*Culler, Etelka H. (0)	D. C.	1318 Farragut Street
Cummins, Effie R. (49)	Ill.	1517 Rhode Island Avenue
Darby, Margaret I. (59)	Md.	Government Hotels
*Davidson, Maria (30)	D. C.	1456 Irving Street
Davis, Mary E. (48)	D. C.	1236 B Street, N. E.
Davis, Ruth E. (57)	D. C.	1349 Que Street
Davison, Ruth L. (50)	D. C.	Government Hotels
Decker, Ruth E. (90)	Pa.	1150 North Capitol Street
Delbridge, Mrs. Martha (87½)	S. Dak.	1313 13th Street
Denison, Harriet A. (74)	D. C.	3117 35th Street
Deirmier, Natalie S. (0)	D. C.	1901 K Street
Dillard, Mary E. (118)	Ala.	1723 G Street
Doonan, Katherine (72)	D. C.	2536 14th Street
†Dorman, La Veta (0)	Ill.	207 East Clifton Terrace
Dotson, Floyd E. (6)	W. Va.	1321 M Street
Draney, Mary E. (0)	D. C.	West Clifton Terrace
Draper, Elizabeth (106)	D. C.	1521 35th Street
Driscoll, Gertrude M. (16)	D. C.	1219 M Street
DuBose, Camille (82)	D. C.	2903 Que Street
Dyson, Elmer C. (0)	Md.	Piscataway, Md.
Eastlack, Lola F. (65½)	Iowa	1036 Quebec Place
Edgerton, Esther (22)	D. C.	1419 Columbia Road
Elliot, Janet (62)	D. C.	3757 McKinley Street
Ely, Edith W. (64)	D. C.	50 S Street
Entwisle, Ada R. (87)	D. C.	1224 North Carolina Avenue N. E.
Epstein, Tessie (82)	N. Y.	1432 R Street
Erricson, Anna L. (40)	Ky.	713 8th Street, N. E.
Espey, Emolyn (89)	D. C.	131 A Street, N. E.
*Evans, Gladys (0)	D. C.	3125 Warder Street
Ewer, Maidee (66)	Calif.	1141 New Hampshire Avenue
Fagin, Nathan B. (91½)	D. C.	2716 Ontario Road
Feehan, Nancy (61)	Mass.	2024 F Street
Fisher, Margaret (42)	Iowa	2022 F Street
Fisher, Ruby F. (0)	Mich.	Government Hotels
Fisher, Virginia W. (0)	Md.	1339 Irving Street
Flanagan, Sherman E. (52½)	Md.	Bennings Station, Walkersville, Md.
*Florance, Sue A. (0)	Va.	Route 4, Alexandria, Va.
Forbes, Ina (58)	N. Y.	1228 Fairmont Street
Frankenfield, Mrs. Mary L. (85)	N. J.	Cottage Hill, D. C.
Fravel, Margaret (81)	Va.	East Falls Church, Va.
Friedman, David (21)	Md.	1330 L Street
Fry, Sara G. (65)	W. Va.	1337 Girard Street
*Gallahan, Jessie (0)	Md.	Brandywine, Md.
Gardner, Mary A. (9)	Pa.	2109 F Street
*Garland, Sarah (60)	La.	1717 K Street
Garrels, Agnes (52)	D. C.	1110 Fairmont Street
Garrels Harriet (54)	D. C.	1110 Fairmont Street
*Gerry, Katherine (45)	D. C.	3320 Mt. Pleasant Street

- Gervais, Mae C. (86)
 Geschicter, Josephine (30)
 Geschicter, Minnie (6)
 Gessford, Margaret (80)
 *Getty, Annie (124)
 †Gibson, Mrs. Mildred (48)
 Gilbert, Lee (124)
 Gingrich, Elizabeth (39)
 *Goding, Helen (50)
 Goodfellow, Katherine (93)
 Graham, Edgar (35)
 *Grant, Florence E. (88)
 Gregg, Elizabeth (52)
 Green, Mildred (8)
 *Gregory, Agnes (120)
 †Gregory, Florence I. (0)
 Greenawalt, Lambert (124)
 Griest, Estelle C. (20)
 Grosvener, Edith (76)
 Grubb, Dora (78)
 Grubbs, Birdie (3)
 Guest, Cora E. (113)
 Guest, Margaret R. (113)
 *Guthridge, Eleanor (11)
 Guyton, Agnes (53)
 †Hanft, Ella A. (0)
 Harmel, Ida (0)
 Harper, Helen V. (0)
 Hart, Sara T. (77)
 †Harris, Sophia V. (67)
 Hawxhurst, Mildred (30)
 Haydon, Edith M. (0)
 *Heal, Bernice I. (132½)
 Herrick, Mary (124)
 †Hessler, Agnes B. (65)
 Heyl, Lucy K. (71)
 Hiatt, Louise E. (60)
 Hickman, Clara (73)
 *Hill, Florence B. (79)
 Hill, Hazel R. (109)
 Hoagland, Ada E. (24)
 Hoeff, Alice M. (0)
 Holbrook, Edna F. (104)
 Hope, Edwina (6)
 Howard, Josephine (0)
 *Howes, Nola H. (58)
 Hunt, Lucy J. (10)
 Hunt, Mary E. (0)
 Hutson, Ruth H. (62)
 *Jacobs, Louella T. (0)
 Johns, Marjorie (24)
 Johnson, Catherine V. (11)
 Johnson, Edith G. (46)
 Johnston, Grace V. (6)
 Jones, Florence (3)
 Jones, Miriam M. (29)
 Jones, Sarah L. (73)
 Kareples, Lotta M. (3)
 Kaufmann, Marie (3)
 Kause, Selma (68)
 Keesecker, Ward W. (64½)
 *Kelly, Cora L. (0)
 *Kelton, Adelaide (76)
 Kendrick, Elizabeth H. (98)
 *Kern, Ruth H. (3)
 Kesten, Earl J. (63)
 King, Elizabeth W., (52)
 Kinneer, Agnes I. (107)
 Koontz, Catherine R. (0)
 *Krouse, Clara M. (55)
 Kuykendall, Nancy B. (0)
 Lacy, Bessie K. (61)
 Ladson, Gertrude (0)
 *Lancaster, Emma F. (0)
- D. C. 715 Monroe Street, N. E.
 D. C. 1834 Connecticut Avenue
 D. C. 1834 Connecticut Avenue
 D. C. 3123 13th Street
 D. C. 1819 Columbia Road
 D. C. 1825 Monroe Street
 Md. Laurel, Md.
 Pa. 1432 Clifton Street
 D. C. 1419 R Street
 Canada 455 K Street
 Ark. 1315 M Street
 N. Y. 1228 Fairmount
 Va. 1326 Columbia Road
 D. C. 600 23d Street
 D. C. Olympia Apartments
 D. C. 1368 Euclid Street
 Pa. New Winston Hotel
 D. C. 1517 A Street, N. E.
 D. C. The Iowa
 Va. 1914 H Street
 Ky. 309 East Clifton Terrace
 D. C. 3165 18th Street
 D. C. 3165 18th Street
 D. C. 1020 8th Street
 Colo. Government Hotels
 D. C. 1906 2d Street, N. E.
 D. C. 466 H Street, S. W.
 D. C. 1411 Shepherd Street
 Va. Government Hotels
 D. C. 1902 G Street
 D. C. 3114 38th Street
 Va. St. Elizabeth's Hospital
 Ind. 1223 N Street
 D. C. 2525 Wisconsin Avenue
 D. C. 1558 C Street, S. W.
 D. C. 1315 Fairmont Street
 D. C. 3116 13th Street
 D. C. 442 New Jersey Avenue, S. E.
 Ind. 1517 Rhode Island Avenue
 Md. 408 3d Street
 Ind. 1325 Vermont Avenue
 Va. Camp Humphreys, Va.
 N. Y. 3207 Morrison Street
 D. C. 809 5th Street
 Va. Falls Church, Va.
 Kans. 2011 F Street
 D. C. 437 New Jersey Avenue, S. E.
 N. Y. Government Hotels
 D. C. 826 Otis Place
 Pa. 401 Seward Square
 D. C. 1421 Columbia Road
 Va. 509 Duke Street, Alexandria, Va.
 Mass. 1650 Fuller Street
 D. C. 2004 1st Street
 Nebr. Southbrook Courts
 N. C. 107 2d Street, N. E.
 Miss. 1719 19th Street
 D. C. 1020 Fairmont Street
 N. Y. 1475 Columbia Road
 Ohio 1309 Newton Street, N. E.
 Va. 233 Morgan Street
 Va. 1332 Massachusetts Avenue
 D. C. 1827 Kalorama Road
 D. C. The Cumberland
 Pa. The Chaumont
 N. Y. Y. M. C. A.
 Va. G. W. Park, Alexandria, Va.
 D. C. The Stanhope
 Md. Bryan School
 D. C. 1650 Monticello Avenue, N. E.
 W. Va. 1418 Hopkins Place
 D. C. 493 G Street, S. W.
 D. C. 1346 Park Road
 W. Va. Government Hotels

Larner, Marian (0)	D. C.	1004 22d Street
Lewis, Blanche E. (123)	N. Y.	1523 Buchanan Street
Lewis, Dorothy M. (71)	D. C.	4438 Kansas Avenue
Lewis, Elizabeth S. (81)	D. C.	3316 Mt. Pleasant Street
Lind, Alma G. (0)	Iowa	4516 14th Street
Lind, Ida M. (68)	D. C.	4516 14th Street
Lockwood, Margaret M. (38)	D. C.	1789 Lanier Place
Lohmann, Pauline (90)	D. C.	429 4th Street, N. E.
Lucas, Bertha L. (92)	D. C.	2118 25th Street, S. E.
*Lucas, Ethel M. (0)	D. C.	2118 25th Street, S. E.
Lusby, Viola B. (0)	D. C.	723 East Capitol Street
*McCard, Floyd (0)	D. C.	1719 G Street
*McCathran, Ruth E. (0)	D. C.	3539 13th Street
McCauley, Georgia A. (76)	Va.	East Falls Church, Va.
McCauley, Irma G. (60)	D. C.	1354 Monroe Street
McCormick, Florence (58)	Mass.	Government Hotels
†McDarmont, Corley P. (86)	Mo.	2023 O Street
McFarland, Mary C. (0)	D. C.	The Cecil
McGowan, Ruth J. (80)	D. C.	1808 Kenyon Street
McKay, Anna P. (0)	Md.	Clinton, Md.
*McKelway, Ruth M. (0)	D. C.	2017 Park Road
*McKnew, Jane M. (66)	D. C.	1421 Columbia Road
*Maffett, Marie L. (44)	Kans.	1517 Rhode Island Avenue
Maitland, Florence (98)	D. C.	1316 Girard Street
*Mallan, Adela B. (32)	D. C.	1824 Eye Street
Maloney, Emma J. (60)	D. C.	The New Bern
*Manning, Maud (0)	Md.	Accokeek, Md.
Marks, Gladys E. (24)	D. C.	204 Rhode Island Avenue
Marsden, Mary M. (0)	D. C.	443 6th Street, S. W.
Marshall, Emma B. (63)	D. C.	1317 Rhode Island Avenue
Marshall, Mary E. (54)	D. C.	7023 Blair Road
Mathews, Alma L. (82-4)	Pa.	1517 Rhode Island Avenue
Melchior, Eleanor (63)	Va.	110 S. Columbus St., Alex., Va.
Meyer, Ella L. (59)	Nebr.	1322 15th Street
Michaelson, Winifred McG. (9)	D. C.	2548 University Place
Miller, Mrs. Agnes T. (21)	D. C.	Wardman Park Hotel
Monred, Ravenell A. (60)	Md.	Gaithersburg, Md.
*Moore, Edith S. (2)	D. C.	908 B Street, N. E.
*Moore, Louise M. (54)	D. C.	2905 13th Street
*Moore, Margaret (62)	D. C.	908 B Street, N. E.
Morgan, Mary E. (0)	D. C.	23 Girard Street, N. E.
Mortimer, Lucie E. (70)	D. C.	1141 New Hampshire Avenue
Moss, Emilie N. (48)	D. C.	1790 Lanier Place
Moss, Mrs. Rose Mercer (52)	Md.	Aurora Heights, Va.
Mudd, Elizabeth A. (0)	Md.	Clinton, Md.
Murray, Anna (64)	D. C.	1317 Farragut Street
Myers, Helen F. (67)	D. C.	1346 Harvard Street
†Nations, Florence E. (91)	D. C.	639 F Street
Naylor, Evelyn (60)	D. C.	629 12th Street, N. E.
Nelson, Clarissa A. (22)	N. Dak.	16 Hamilton St., Brentwood, Md.
Newhouser, Enola H. (93)	D. C.	217 East Capitol Street
Nichols, Dorothy V. (105)	Md.	6402 Connecticut Avenue
*Nichols, Helen G. (50)	D. C.	2604 University Place
O'Connell, Margaret J. (39)	Wise.	Government Hotels
O'Hara, Elizabeth (84)	D. C.	135 S Street
Omwake, Katherine T. (70)	D. C.	1846 Ingleside Terrace
*Parke, Helen (57)	D. C.	3744 Oliver Street
Parker, Ruth (11)	D. C.	1315 Shepherd Street
Parton, Dorothy (33)	D. C.	417 10th Street, S. W.
Parvis, Bertha (49)	Ind.	1361 Irving Street
Patterson, Margaret (86)	D. C.	3107 N Street
*Payne, Willie May (12)	Va.	422 N. Paxton St., Alexandria, Va.
Pedigo, Florence E. (27)	Va.	1916 G Street
Pepper, Margaret (0)	D. C.	2006 N Street
Perrin, Harry (103)	Iowa	723 Carrol Avenue, Takoma Park
Pollard, Mary I. (67)	N. H.	The Stanhope
Follock, Laura K. (105)	Va.	The Colonial
Priest, Hazel (0)	D. C.	2113 Flagler Place
Prober, Helen L. (12)	D. C.	3158 O Street
Pullman, Hilda (18)	D. C.	1332 Massachusetts Avenue
Ramey, Elizabeth (67)	Va.	110 S. Alfred St., Alexandria, Va.
*Reaves, Rubye C. (0)	Va.	517 Cameron St., Alexandria, Av.
Reeve, Laura W. (120)	D. C.	3217 19th Street
Reynolds, Lucy F. (0)	D. C.	1411 Crittenden Street
Rhodes, Frieda (84)	Pa.	2721 11th Street

Rice, Elizabeth N. (70)	D. C.	4832 16th Street
Riggs, Florence M. (107)	N. Y.	308 2d Street, N. E.
Rinehart, Josephine (0)	D. C.	2109 F Street
†Roach, Florence M. (0)	D. C.	403 East Clifton Terrace
Robinson, Frances L. (6)	D. C.	706 Quincy
Robinson, Mary E. (85)	D. C.	1415 Park Avenue, Brightwood
*Rogers, Mrs. Florence H. (104)	D. C.	1408 Webster Street
Ross, Helen G. (84)	D. C.	Bellevue Magazine, D. C.
Ruediger, Imogene Iekis (57)	Iowa	2836 28th Street
Rutter, Emma L. (39)	N. Mex.	Government Hotels
St. Clair, Ruth C. (74)	Va.	Alexandria, Va., Route 4
Sabella, Ricardo (87)	Phil. Is.	Box 86, Rosslyn, Va.
Sampson, Janice E. (0)	Md.	Brentwood, Md.
Sams, Moylin M. (81)	Va.	The Toronto
*Sandys, Ruth E. (88)	N. Y.	507 Columbus St., Alexandria, Va.
Scott, Esther W. (83)	Md.	3100 P Street
Schaefer, Anna Florence (0)	Va.	Clinton, Md.
Schmidt, Lillie T. (54)	D. C.	421 5th Street, N. E.
Shepard, Alice L. (72)	D. C.	1308 Kenyon Street
Shewmaker, Lillian A. (97)	D. C.	500 Rhode Island Avenue, N. E.
Shuey, Elva T. (54)	D. C.	1313 Florida Avenue, N. E.
Sessions, Maude (0)	D. C.	2416 13th Street
Smith, Eva D. (0)	D. C.	10 Rhode Island Avenue
*Smith, Helen C. (11)	D. C.	1447 Spring Place
Smith, Zeula Z. (113)	Calif.	2036 F Street
Snowberger, Garnet (16)	Ind.	Government Hotels
†Soelberg, Earl J. (0)	D. C.	Route 1, Benning, D. C.
Sotzin, Heber A. (104)	Pa.	East Falls Church, Va.
*Springman, Helen B. D. (0)	Va.	1411 King Street, Alexandria, Va.
*Stack, Clara L. (48)	D. C.	The Earlington
Standiford, Margaret W. (4)	D. C.	1229 L Street
Steel, Mildred E. (64)	D. C.	616 7th Street, N. E.
*Sterling, Virginia N. (44)	Md.	1517 Rhode Island Avenue
Steuart, Emily N. (65)	D. C.	3058 R Street
Stewart, Mary (8)	D. C.	624 Maryland Avenue, N. E.
Stophlet, Jean G. (86)	Ohio	1702 Kilbourne Place
Sullivan, Alice O. (0)	Mass.	Fairmont Inn
Sullivan, Bessie M. (60)	Ga.	209 Virginia Ave., Clarendon, Va.
Sullivan, Marie E. (58)	N. Y.	21 Michigan Avenue, N. E.
Swigart, Ada K. (60)	Md.	327 Essex Street, Somerset, Md.
*Taber, Edward (15)	D. C.	Falkstone Courts
Taliaferro, Julia C. (55)	Va.	Vanderwerken, Va., Box 247
Taylor, Mary E. (85)	D. C.	1614 1st Street
*Taylor, Mabelle C. (22)	Ind.	1203 Gallatin Street
Tennyson, M. Bernadette (9)	D. C.	3600 Reservoir Street
Tennyson, James Anna (82)	D. C.	1938 Biltmore Street
*Tepper, Elizabeth (12)	D. C.	1339 Maryland Avenue, N. E.
Terrell, Charlotte (0)	D. C.	Clifton Terrace
Thomas, Eula C. (0)	Ky.	133 Varnum Street
*Thompson, Elsie A. (0)	D. C.	4019 Illinois Avenue
Thompson, Mary M. (0)	D. C.	3155 19th Street
Thomssen, Ruby E. (45)	D. C.	315 C Street, S. E.
†Thrasher, Mrs. Annie B. (50)	D. C.	1780 Willard Street
*Tipton, John J. (132)	Md.	Cumberland, Md.
Toner, Caroline E. (4)	D. C.	1814 Ingleside Terrace
†Torbert, Janet L. (52)	D. C.	3137 24th Street, N. E.
Towson, Helen J. (0)	D. C.	1521 Webster Street
Traband, Juliet A. (18)	Md.	Upper Marlboro, Md.
Traband, Sarah E. (48)	Md.	Upper Marlboro, Md.
*Trammell, Edith R. (0)	D. C.	1004 H Street, N. E.
Trotter, Katherine E. (77)	D. C.	512 Rhode Island Avenue, N. E.
Tuckey, Ruth E. (93)	D. C.	40 F Street
Turner, Marie Agnes (0)	D. C.	107 15th Street, S. E.
Tyree, Zelma R. (55)	D. C.	5201 16th Street
Van Eude, Clara (89)	D. C.	1277 New Hampshire Avenue
Venning, Gladys (0)	Md.	3743 33d St., Mt. Rainier, Md.
Villalon, Emetrio (0)	D. C.	1820 G Street
Von Eiff, Mildred Y. (4)	D. C.	631 B Street, N. E.
†Volker, Herman (0)	D. C.	223 H Street
†Walter, Margaret E. (12)	N. Y.	Gallaudet College
Walcott, Marie E. (104)	D. C.	410 6th Street, N. E.
Walcott, Sara H. (12)	D. C.	410 6th Street, N. E.
Walker, Grace A. (72)	D. C.	7610 Blair Road
Walter, Eva M. (101)	Ill.	306 C Street

Waters, Susanne B. (99)	D. C.	3009 11th Street
*Wells, Katherine (0)	D. C.	1364 Girard Street
†Whildin, Mabel (32)	Md.	Kendall Green
*Whitzell, Margaret E. (111)	D. C.	The Alabama
Willis, Virginia J. (99)	Va.	1517 Rhode Island Avenue
Williams, Harriet M. (95)	Pa.	1332 21st Street
Williams, Jessie M. (0)	Ohio	721 Quebec Place
Williams, Ray A. (57)	Iowa	901 22d Street
Williamson, Ernest R. (117)	Ore.	2724 11th Street
Wilson, Agnes W. (50½)	Ind.	2004 G Street
Wilson, Dorothy (72)	D. C.	2511 17th Street
Wimer, Martha E. (84)	D. C.	1922 Belmont Road
Wingate, Rosa (52)	D. C.	2641 Garfield Street
Winter, Helen (0)	D. C.	The Kenesaw
Wiseman, Beryl B. (0)	D. C.	501 B Street, N. E.
Wooden, Russell B. (65½)	Ind.	914 H Street
Woodward, Esther R. (85½)	D. C.	125 New York Avenue
*Woolfolk, Lillian C. (0)	D. C.	1650 Irving Street
Wright, Frederick H. (72)	Calif.	1813 Newton Street
Yost, Elsie M. (89)	D. C.	1002 Pennsylvania Avenue, S. E.
Yost, Myrtle E. (78)	D. C.	1002 Pennsylvania Avenue, S. E.
Zearfoss, Clarence Y. (0)	Pa.	4417 Georgia Avenue
Zearfoss, John E. (27)	Pa.	803 Allison Street

SPECIAL STUDENTS

Allen, Edith V.	Va.	1841 Ontario Place
*Anderson, Lucy J.	Va.	620 Duke Street, Alexandria, Va.
Blandford, Alma	Md.	Clinton, Md.
Burroughs, M. Louise	Md.	Clinton, Md.
Chalk, Sallie	D. C.	1315 Shepherd Street
*Cloe, Mrs. L. Jett	Va.	502 Duke Street, Alexandria, Va.
*Davison, Mrs. Mabel A. B., George Washington University	D. C.	2700 13th Street
DePotter, Victor A.	N. Y.	1830 H Street
*Dickert, Eddie	Va.	407 Duke Street, Alexandria, Va.
Dodd, Atta E.	D. C.	1326 Irving Street
Flannery, Lillian	Ky.	2920 Upton Street
Fuller, Ellen C.	Va.	Clifton Terrace, South
Hayden, Florence	D. C.	3439 14th Street
Hensel, Minnie V.	Ohio	119 B Street, S. E.
Hoover, Mrs. Olive	D. C.	116 Baltimore Ave., Takoma Park
Jordan, Isabel	D. C.	1415 Newton Street
*Kohrer, Norma	D. C.	1819 G Street N. W.
Larsen, Ellen	Minn.	1812 K Street
Larson, Emma	Minn.	1812 K Street
McMillion, H. Frances	Calif.	Government Hotels
MacIntosh, Lulu	D. C.	821 North Carolina, S. E.
†Malcolm, Edwina R.	N. Y.	40 T Street
†Murphy, Alice	D. C.	Terra Cotta, D. C.
Murray, Edna	Md.	Clinton, Md.
Norton, Alice	Calif.	1462 Columbia Road
*Pierce, Mary	Va.	Alexandria, Va.
*Queen, Marie	Md.	Waldorf, Md.
*Smith, William F.	D. C.	1340 F Street, N. E.
Shipley, Carrie	D. C.	1467 Irving Street
St. John, Grace	D. C.	1800 K Street
Stanback, Lester	Miss.	1730 M Street, No. 33
*Sweeney, W. H.	Va.	805 Duke Street, Alexandria, Va.
Trusheim, Eva N.	D. C.	210 B Street, S. E.
*Wagoner, Ada L.	W. Va.	Government Hotels
*Walker, Emma E.	Md.	Station H, Washington D. C.
Welch, Helen G.	Mass.	Government Hotels
Williams, Ada M.	D. C.	1006 Webster Street

SUMMER SCHOOL, 1923

Albert, Frank M. New Jersey	Allen, Raymond E. Ohio
Alexander, Mabel C. Washington	Allison, Carl O. District of Columbia
Alexander, Susan Illinois	Allman, C. H. Virginia
Allen, Katherine V. District of Columbia	Allwine, Elsie M. District of Columbia

- Aman, John A.
 Maryland
 Amelung, Mina C.
 Ohio
 Ames, Norman Bruce
 Virginia
 Andrews, Alice
 Ohio
 Andrews, Elizabeth M.
 District of Columbia
 Andross, Ellsworth M.
 District of Columbia
 Andrus, Lucille
 Illinois
 Atkins, Craig S.
 North Carolina
 Axton, Lily J.
 District of Columbia
 Ayres, Hersie P.
 Virginia
 Babcock, Earl
 Nebraska
 Bacheller, Alice
 Massachusetts
 Bailey, Malcolm F.
 District of Columbia
 Baker, Samuel H., Jr.
 Illinois
 Ballenger, Lou E.
 District of Columbia
 Baltzell, George F., Jr.
 District of Columbia
 Banville, William F.
 District of Columbia
 Barker, Marian
 Missouri
 Barnard, Caroline F.
 District of Columbia
 Barr, Tandy Leigh
 Alabama
 Barrow, Mary G.
 District of Columbia
 Basham, Gus O.
 Kentucky
 Bassler, William S.
 District of Columbia
 Bayne, Wert
 Alabama
 Beall, Harry S.
 Maryland
 Beatty, Sarah
 District of Columbia
 Beck, Katherine
 Wisconsin
 Becker, William S.
 Ohio
 Benner, Harry L.
 District of Columbia
 Bennett, Ava Laverne
 Ohio
 Berlin, Bertha
 Virginia
 Berry, Ivan D.
 Iowa
 Beiber, Oscar P.
 District of Columbia
 Bigwood, William M.
 Indiana
 Birth, Jennie
 Pennsylvania
 Bland, Annie Ethel
 Virginia
 Blandford, Agnes C.
 Maryland
 Blandford, Anna L.
 Maryland
 Blandford, Mary K.
 District of Columbia
 Bleuhdorn, William R.
 Connecticut
 Bochan, Harry
 China
 Boggess, Ruth
 West Virginia
 Bohl, Edna
 New York
 Bollman, Ruby L.
 Maryland
 Bond, Jessie
 Tennessee
 Bond, S. Hazen
 Illinois
 Booth, Eleanor
 Louisiana
 Booth, Elizabeth
 District of Columbia
 Booth, Nina M.
 New York
 Borden, Hazel A.
 Massachusetts
 Boyd, Miss Clem
 Georgia
 Boyd, Helen
 New Jersey
 Boyd, James I.
 District of Columbia
 Bracken, D. Clovis
 Alabama
 Bradshaw, Max A.
 Virginia
 Brady, Lawrence W.
 Iowa
 Bragg, John H.
 District of Columbia
 Bromell, John R.
 Virginia
 Brandt, Paul F.
 District of Columbia
 Bray, Anna R.
 New York
 Brazerol, Catherine B.
 District of Columbia
 Breidenbach, Nona Fern
 Indiana
 Brennan, Marguerite
 Texas
 Brent, Morton R.
 Illinois
 Brewer, Margaret
 Maryland
 Brooke, Katherine
 District of Columbia
 Brookley, Lora
 Ohio
 Brotman, Irving
 District of Columbia
 Brotman, Melvin
 District of Columbia
 Brown, Lawrence P.
 Virginia
 Browne, Margaret M.
 District of Columbia
 Brown, Randolph M.
 New York
 Bruce, Alexander W.
 Ohio
 Brunett, Harry E.
 District of Columbia

- Brungart, Vera C.
 Missouri
 Brux, Elizabeth
 Georgia
 Bucia, Simplicio
 Philippine Islands
 Buckman, Bertha
 Virginia
 Buechele, E. A.
 Iowa
 Bundick, Harriet E.
 Virginia
 Burdick, Bernard F.
 Alabama
 Burk, Paul W.
 District of Columbia
 Burns, Charles
 District of Columbia
 Burns, Rea C.
 Ohio
 Burton, Elizabeth D.
 District of Columbia
 Bush, Green B.
 Alabama
 Bush, Henry
 Indiana
 Butkiewicz, Eugenia
 Illinois
 Butler, Howard Wade
 Virginia
 Butts, Shannon
 Virginia
 Byars, Joseph C.
 Virginia
 Byers, Kansas (Miss)
 North Carolina
 Byrn, Clara M.
 District of Columbia
 Caldwell, Millard L.
 Virginia
 Calhoun, Edward J.
 South Carolina
 Calhoun, Randolph
 Florida
 Campbell, Elston J.
 Colorado
 Caron, Bertha H.
 District of Columbia
 Carr, Margaret J.
 Maryland
 Carraher, Margaret M.
 District of Columbia
 Carraher, Rose G.
 District of Columbia
 Carter, Dorothy
 Virginia
 Case, Clara E.
 South Dakota
 Castle, Wanda R.
 Texas
 Cavanaugh, F. J.
 New York
 Cerceo, Alfred
 New York
 Chalk, Sallie J.
 District of Columbia
 Chamberlain, Roy H.
 District of Columbia
 Chan, Im-Hing
 China
 Chaney, A. L.
 District of Columbia
 Chaney, Donald J.
 District of Columbia
- Chang, Kaichen Z.
 China
 Chapin, Eugene
 Maryland
 Chapman, Gertrude
 Missouri
 Chapman, Roberta
 Tennessee
 Chickering, Elizabeth E.
 New Hampshire
 Churchman, H. Clarence
 Iowa
 Clark, Georgia
 Iowa
 Cline, R. C.
 North Carolina
 Coffin, Martha
 Indiana
 Coffman, McKinley
 Maryland
 Coleman, Charles H.
 District of Columbia
 Collins, Patrick J.
 District of Columbia
 Collins, Ruth M.
 New Hampshire
 Comas, A.
 Porto Rico
 Condy, Elizabeth
 District of Columbia
 Conroy, Helen C.
 Minnesota
 Cook, Elizabeth M.
 Pennsylvania
 Coolidge, Helen M.
 District of Columbia
 Coombs, Albert H.
 Connecticut
 Cooper, Edith M.
 Rhode Island
 Copping, Dr. John B.
 Maryland
 Corey, Wilbur L.
 New York
 *Coronel, Leopoldo
 Philippine Islands
 Costello, Anne E.
 Pennsylvania
 Cotter, Virginia
 Maryland
 Cotton, Robert B.
 Mississippi
 Coughlin, Mildred M.
 Kansas
 Council, Charles D.
 North Carolina
 Courtney, Francis X.
 New York
 Cousins, Christopher
 District of Columbia
 Cox, Carrie
 West Virginia
 Coyle, Blanche E.
 Indiana
 Cramer, Alma H.
 District of Columbia
 Craven, Mary
 District of Columbia
 Creveling, Cyrus R.
 Pennsylvania
 Crew, A. V.
 Maryland
 Crotchett, Bessie L.
 District of Columbia

- Crotchett, Lillian
 Tennessee
 Crofton, George H.
 Massachusetts
 Culpepper, C. W.
 Alabama
 Cummins, Effie
 Kansas
 Cushard, William G.
 District of Columbia
 Cushman, William M.
 District of Columbia
 Dahlberg, Nan
 Michigan
 Daily, John R.
 Illinois
 Daly, Marguerite
 District of Columbia
 Daniel, R. C.
 Virginia
 Darby, James F.
 Pennsylvania
 Darby, Roy T.
 Iowa
 Davidson, James F.
 New York
 Davies, Joshua William
 Pennsylvania
 Davis, Ernest G.
 Maryland
 Davis, Frances J.
 District of Columbia
 Davis, Hazel J.
 District of Columbia
 Davis, Ida L.
 Mississippi
 Davis, Newell B.
 Florida
 Davis, Ruth E.
 District of Columbia
 Davis, Wilbur L.
 Illinois
 Dawes, Elizabeth M.
 District of Columbia
 Deaton, Linda
 Ohio
 DeFrees, Raymond G.
 District of Columbia
 Dehler, Alma
 Missouri
 Dehler, Carnegie
 Missouri
 Deibler, David H.
 Maryland
 Deibler, Florence
 Maryland
 Delawder, John L.
 District of Columbia
 Dellwig, Flora
 District of Columbia
 Denison, Harriet A.
 District of Columbia
 DeVoe, Winifred
 District of Columbia
 Dilger, Mary A.
 District of Columbia
 Dillard, Elizabeth
 Alabama
 Disney, Lindsay P.
 District of Columbia
 Dixon, L. Earl
 New York
 Dodek, S. M.
 District of Columbia
 Donaldson, Claude C.
 Texas
 DonLeavy, Mary A.
 Vermont
 Doonan, Katherine
 District of Columbia
 Doran, Sarah L.
 New York
 Dougherty, Dorothy
 District of Columbia
 Draper, Mrs. Elizabeth
 District of Columbia
 Driscoll, Stephen J.
 Massachusetts
 DuBose, Camille
 District of Columbia
 Duffy, John P.
 Maryland
 *Duke, Stella
 Virginia
 Du Mez, Mary F.
 District of Columbia
 Dunford, Edward B.
 Virginia
 Earl, Clarence E.
 Colorado
 Earle, Ray L.
 Maryland
 Earle, Sherod L.
 Florida
 Earnest, Elizabeth
 A. B., George Washington University,
 1922
 District of Columbia
 Earnshaw, Eleanore
 District of Columbia
 Eastlack, Lola F.
 Iowa
 Eckert, Esther A.
 District of Columbia
 Eckford, John F.
 B. S., Mississippi A. and M. College
 Mississippi
 Egli, Edwin B.
 Iowa
 Eisinger, John O.
 District of Columbia
 *Elliot, John P.
 Maryland
 Engel, Francis H.
 District of Columbia
 England, John Mitchell
 District of Columbia
 Epperson, William P.
 Missouri
 Eppley, Elaine
 New York
 Ergood, Allen
 District of Columbia
 Espey, Emolyn C.
 District of Columbia
 Evans, Dove
 Arkansas
 Evans, Harriet R.
 District of Columbia
 Evans, Walter O.
 Kentucky
 Fagin, Nathan B.
 New York
 Fahey, Joseph J.
 Fahey, Willis H.
 West Virginia
 Faries, John S.
 Nebraska

- Farmer, Albert R.
District of Columbia
- Farrar, Frederick
North Carolina
- Faust, Eleanor
Pennsylvania
- Feehan, Nancy
Massachusetts
- Feinler, Mary
California
- Feller, Ralph
Virginia
- Felps, Hugh E.
Tennessee
- Fifield, Osgood E.
Massachusetts
- Fisher, O. Edward
Michigan
- *Fladung, Florence
Maryland
- Flagg, Verna M.
Illinois
- Fleming, Ruby R.
A. B., University of Kentucky
Kentucky
- Fletcher, John R.
District of Columbia
- Flisher, Leonora V.
New York
- Flohr, M. Carroll
District of Columbia
- Flury, Henry
Pennsylvania
- Foley, Albert J.
New York
- Folse, Lenard R.
Louisiana
- Foreman, Genevieve
Illinois
- Foreman, William S.
Virginia
- Foxwell, R. K.
M. D., University of Maryland
Maryland
- Frankenfield, Mary H.
Pennsylvania
- Free, Walter H.
Iowa
- Frey, John
Indiana
- Friedlander, Philip P.
District of Columbia
- Frost, Eda B.
A. B., Goucher College
District of Columbia
- Fuller, Gladys
Georgia
- Furbershaw, James F.
District of Columbia
- Gable, George R.
District of Columbia
- Gaddis, Margaret E.
District of Columbia
- Gage, Lawrence A.
District of Columbia
- Gagne, Joseph
Massachusetts
- Gapuz, Bernardo
Philippine Islands
- Gardner, Allen H.
Pennsylvania
- Garrels, Harriet E.
District of Columbia
- Gatchell, Louis R.
Maine
- Gerry, Marjorie
District of Columbia
- Gessford, Eleanor
District of Columbia
- Gibbs, Kate M.
Massachusetts
- Gilbert, Lee E.
Maryland
- *Ginechesi, Frances
Maryland
- Gittleman, Morton
District of Columbia
- Glycofrides, Eustace
Greece
- Goddard, Eunice F.
Maine
- Golden, Herschel
Michigan
- Goldstein, Alfred
District of Columbia
- Goldstein, Hyman M.
Maryland
- Goss, John H.
Pennsylvania
- Goss, Marshall J.
Ohio
- Graeff, Earl W.
Pennsylvania
- Graffius, Donald W.
Pennsylvania
- Grammer, Katherine A.
Virginia
- Grass, Edward J.
District of Columbia
- Gray, Ulysses S.
Alabama
- Grayson, Lawrence A.
Virginia
- Green, William M.
Virginia
- Green, Zaidée E.
D. C.
- Greenawlt, Lambert
Pennsylvania
- Gregory, A. Josephine
District of Columbia
- Grosvenor, Edith L.
District of Columbia
- Grubb, Dora E.
Virginia
- Guanella, Frances
Iowa
- Guest, Cora
District of Columbia
- Guest, Margaret
District of Columbia
- Guthridge, Eleanor
District of Columbia
- Haas, Nelson W.
New York
- Hadlick, Elwin E.
Minnesota
- Haines, Mary S.
Missouri
- Haines, William C.
Ohio
- Hamilton, Anna Mary
Pennsylvania
- Hammersla, Clyde M.
Pennsylvania
- Hammond, Leigh M.
Maryland

- Hanft, Ella
 District of Columbia
 Hann, Raymond M.
 District of Columbia
 Harcourt, Gertrude
 Colorado
 Harmel, Ida
 District of Columbia
 Harmon, Mary
 Mississippi
 Harrell, Earl D.
 Kentucky
 Harrington, George E.
 District of Columbia
 Harris, Phillip R.
 Indiana
 Harris, Sophia V.
 District of Columbia
 Harrison, Mary I.
 District of Columbia
 *Hartman, Ann S.
 Minnesota
 Hayes, William B.
 Tennessee
 Hays, Cathryn
 District of Columbia
 Heal, Bernice
 Indiana
 Heal, Delight
 Indiana
 Hebbard, Nell
 Wisconsin
 Heckert, George T.
 West Virginia
 Heid, John L.
 Illinois
 Heinold, Katherine
 Michigan
 Helm, Sarah
 Texas
 Henkin, Benjamin
 District of Columbia
 Hendrickson, Henry B.
 Rhode Island
 Hensel, Minnie V.
 Ohio
 Hepburn, David H.
 New York
 Hepburn, Matthew
 District of Columbia
 Herrick, Mary
 District of Columbia
 Hess, Frederick J.
 District of Columbia
 Hessler, Agnes B.
 District of Columbia
 Hester, Clinton M.
 Montana
 Heyl, Lucy K.
 New York
 Hickey, Daniel F.
 Washington
 Hickman, Anne H.
 Kentucky
 Hickman, Clara
 District of Columbia
 Hickman, Louise
 District of Columbia
 Hicks, Braxton
 Michigan
 Hill, Florence
 Indiana
 Hillhouse, Nida
 North Carolina
- Hines, Ruth G.
 Massachusetts
 Hinkel, Anna A.
 District of Columbia
 Hirt, George T.
 Wisconsin
 Hoage, Muriel
 Washington
 Hobson, John R.
 Maryland
 *Hollingsworth, Russell
 M. D., George Washington University
 District of Columbia
 Holmes, Kathleen
 A. B., Randolph-Macon Woman's Col-
 lege
 D. C.
 Holmes, Ruth E.
 District of Columbia
 Holmgren, Samuel
 New Hampshire
 Holt, W. Stull
 District of Columbia
 Honts, Emory R.
 Oklahoma
 Hooks, Lillian
 North Carolina
 Hoover, L. G.
 Maryland
 Hopkins, Joy
 District of Columbia
 Howell, B. B.
 District of Columbia
 Howell, Lillian
 Virginia
 Hromatko, Jane S.
 Iowa
 Hudson, Virginia
 West Virginia
 Hughes, Charles W.
 Maryland
 Humphrey, Omar C.
 Minnesota
 Hunt, Frank N.
 Oklahoma
 Hunt, Lucy J.
 District of Columbia
 Hurley, Paul D.
 Vermont
 Hury, Samuel R.
 Illinois
 Hutchison, Frances E.
 Maryland
 Hutton, Julia
 District of Columbia
 Hyslop, Mina C.
 Missouri
 Irizarry, Benito
 Philippine Islands
 Jacobs, Laura
 District of Columbia
 Jacobs, Louise
 West Virginia
 Janson, Elsie
 District of Columbia
 Jenkins, Anna E.
 New York
 Jett, J. Malcolm
 District of Columbia
 Johannessen, Vaughn
 Idaho
 Johnson, Charles A.
 Virginia

- Johnson, Dunbar H.
 District of Columbia
 Johnson, Edward H.
 Texas
 Johnson, Ethel M.
 Ohio
 Johnson, Jasper L.
 Virginia
 Johnson, Lester D.
 Illinois
 Johnson, Marion J. J.
 New York
 Johnston, Clement M.
 District of Columbia
 Johnston, Kenneth K.
 Nebraska
 Jones, F. Marion
 Kansas
 Joost, David
 Texas
 Kampe, Albert H.
 Michigan
 Kane, Al J.
 Pennsylvania
 Kaplan, I.
 District of Columbia
 Katz, Leon
 District of Columbia
 Kayser, Marjorie Ludlow
 District of Columbia
 Keegan, Harry J.
 District of Columbia
 Keesecker, Ward W.
 West Virginia
 Kelton, Adelaide
 District of Columbia
 Kenney, Stella A.
 West Virginia
 Kern, Ruth H.
 Pennsylvania
 Ketwer, Fred Y.
 North Carolina
 Kindle, W. H.
 District of Columbia
 Kingsbury, Dorothy E.
 Michigan
 Kingsbury, Stuart S.
 Michigan
 Kinnear, Agnes I.
 District of Columbia
 Klein, Ernest H.
 District of Columbia
 Knowles, Arthur E.
 Indiana
 *Kouns, Adrienne B.
 Ohio
 Krider, Harrison S.
 Pennsylvania
 Kupjian, Gabriel
 New York
 Kupjian, Haig
 A. B., Washington Missionary College
 New York
 Kutz, Miriam L.
 Indiana
 Ladd, Dorothy D.
 Maryland
 Lamson, Elizabeth H.
 District of Columbia
 Lane, Rufus H.
 District of Columbia
 Langston, Raymond P.
 Oklahoma
 Lashlee, Norma
 A. B., Cumberland University, Ten-
 nessee
 Tennessee
 Lawson, Edward B.
 District of Columbia
 Leaman, Kate
 West Virginia
 Lear, Howard B.
 West Virginia
 Lee, Harry P.
 Iowa
 Lee, John H.
 Illinois
 Leedy, Nellie G.
 Mississippi
 Leer, Wayne E.
 B. S. A., 1919
 Indiana
 Lefebvre, Rose M.
 Minnesota
 Leineweber, Irene
 Poland
 Lesser, Moses A.
 Massachusetts
 Lewis, Blanche E.
 New York
 Lewis, Julius E.
 Virginia
 Lewis, Madge
 Maryland
 Lewis, Robert S.
 Wisconsin
 Lewton, Emily H.
 Maryland
 Limper, Ernest
 Indiana
 Linch, Mark
 Pennsylvania
 Lindsay, Irving
 Virginia
 Linehan, Ella C.
 Massachusetts
 Lingo, Mary Tunstall
 District of Columbia
 Lizana, Fernand J.
 Louisiana
 Loehler, John G.
 District of Columbia
 Lohman, Pauline
 District of Columbia
 Long, Elijah W.
 Virginia
 Loomis, Helen M.
 District of Columbia
 Lord, Isaac Q.
 District of Columbia
 Lucas, Bertha L.
 District of Columbia
 Ludwig, Robert E.
 West Virginia
 Lundgren, Maynard
 Illinois
 Lupton, William W.
 District of Columbia
 McBeth, Frank H.
 District of Columbia
 McCarthy, William A.
 Virginia
 McCauley, Georgia
 Virginia
 McClelland, Thaddeus S.
 Ohio

- McCoy, Horace B.
 Indiana
 McCoy, John Scott
 District of Columbia
 McGee, Joseph G.
 Massachusetts
 McGown, Ruth J.
 District of Columbia
 McInnis, Charles B.
 Alabama
 McIntyre, Bessie
 Wisconsin
 McKay, Elmer C.
 Maine
 McLane, George R.
 Texas
 McLaren, Duncan
 District of Columbia
 McLaughlin, Fred J.
 Texas
 McLeod, Aleen E.
 California
 McLeod, Mrs. J. K.
 North Dakota
 McMichael, Nellie
 Ohio
 McNish, Alvin G.
 District of Columbia
 MacDonald, Seth M.
 District of Columbia
 MacDuff, Russell
 Indiana
 MacIntosh, Lulu M.
 District of Columbia
 MacPherson, Allen
 Rhode Island
 Magee, William
 District of Columbia
 Magner, Rose Z.
 New York
 Magruder, Thomas G.
 Maryland
 Malampy, Mark C.
 Maryland
 Manley, George C.
 Iowa
 Markley, Klare S.
 Maryland
 Marmion, Louis P.
 District of Columbia
 Marshino, Ora
 Kentucky
 Mason, John R.
 District of Columbia
 Mathews, Alma L.
 Pennsylvania
 Mathis, Mary
 Georgia
 Matsukado, Itsuki
 Hawaii
 *Mauney, Estelle
 North Carolina
 Mears, Kirk
 Ohio
 Meeker, Bertha
 Arkansas
 Mei, I. C.
 China
 Meiman, William G.
 District of Columbia
 Menzel, T.
 District of Columbia
 Mercer, Nan
 Georgia
- Merrill, Gussie M.
 Missouri
 Merriman, Ervin E.
 Indiana
 Metzertott, John H.
 Maryland
 Michalowicz, Leon
 District of Columbia
 Murray, Mildred
 West Virginia
 Miller, Agnes I.
 Missouri
 Miller, Carrie M.
 Missouri
 Miller, Elvan A.
 Pennsylvania
 Miller, Maurice E.
 Pennsylvania
 Misner, Ada A.
 District of Columbia
 Moeller, Otto
 New York
 *Monahan, Joseph C.
 Pennsylvania
 Monk, Ella M.
 New York
 Monroe, Thomas M.
 Maryland
 Montgomery, James E.
 Indiana
 Moore, Margaret D.
 New York
 Moore, Mildred J.
 District of Columbia
 Morris, Janet
 Virginia
 Morris, Laura
 Ohio
 Morrison, Levinia
 Virginia
 Mosely, Elizabeth L.
 Texas
 Moseman, J. Williams
 District of Columbia
 Murdaugh, J. E. D.
 A. B., University of Virginia
 Maryland
 Murphy, Joan C.
 Vermont
 Murray, Raymond W.
 District of Columbia
 Myers, Brayty O.
 District of Columbia
 Nall, Agnes
 Texas
 Nall, Arthur E.
 Texas
 Nall, Eliza
 Kentucky
 Nelson, Clarissa A.
 North Dakota
 Nelson, Della P.
 North Dakota
 Namphols, P. Charles
 Maryland
 Neviasser, Julius S.
 District of Columbia
 Newcomer, Harry E.
 District of Columbia
 Newell, Roger S.
 District of Columbia
 Newman, Andrew
 M. A., University of Missouri
 Kentucky

- Newman, Mary S.
 Virginia
 Nichols, Dorothy
 Maryland
 Nichols, John M.
 South Carolina
 Niemeyer, Ernestine H.
 District of Columbia
 Nieto, Arthur
 Honduras
 Noble, Grace R.
 Iowa
 Noe, Ina J.
 District of Columbia
 Norman, Dixie
 Louisiana
 *Norment, Maude
 Texas
 O'Brien, Julia
 Minnesota
 O'Keefe, Thomas F.
 Connecticut
 *Oliver, Mary M.
 Rhode Island
 *Opdyke, Myrtle M.
 New Jersey
 *O'Ready, William P.
 South Dakota
 Ortega, Julian
 Philippine Islands
 Orynski, Wanda
 Texas
 Ottenback, Sarah G.
 District of Columbia
 Ottenberg, Gilbert
 District of Columbia
 Ottman, Millard F.
 District of Columbia
 Pagter, Charles R.
 Connecticut
 Palmer, J. Joseph W.
 District of Columbia
 Parker, Mary
 Pennsylvania
 Parker, Ruth B.
 District of Columbia
 Pasternak, Alfred
 District of Columbia
 Patterson, Homer S.
 Georgia
 Patterson, Mae
 Kentucky
 Paul, Edith
 A. B., George Washington University
 District of Columbia
 Paxton, Mary A.
 Virginia
 Payne, Nellie
 Virginia
 Pearson, Robert B.
 South Carolina
 Pedigo, Florence E.
 Virginia
 Pierce, Lottie M.
 Maryland
 *Perales, Alonzo
 Texas
 *Perkins, Helen F.
 District of Columbia
 Peterson, Arthur A.
 Pennsylvania
 Peterson, William W.
 Iowa
- Pheasant, Edith
 Pennsylvania
 Pim, James H.
 Colorado
 Pimper, Cora H.
 District of Columbia
 Pittman, Estelle M.
 Ohio
 Polk, Irl
 Mississippi
 Pollack, Laura K.
 District of Columbia
 Porter, Etta C.
 New York
 *Powers, J. T.
 Maine
 Poynton, Edward A.
 District of Columbia
 Prendergast, William L.
 Hawaii
 Preston, Katherine
 Indiana
 Pucci, Dominic L.
 Michigan
 Putnam, Amy D.
 New Jersey
 Putzki, Eleanor
 Maryland
 Pyle, F. W.
 Texas
 Pyle, Theresa
 District of Columbia
 Pyles, Katherine
 District of Columbia
 Quayle, Edgar E.
 Ohio
 Quigley, George W.
 Pennsylvania
 Quinn, Edward F.
 New York
 Rabenhorst, W. E.
 District of Columbia
 Ramsay, Harold T.
 Massachusetts
 Ramsey, Osman
 Virginia
 Randall, Laura B.
 District of Columbia
 Randall, Lorena
 District of Columbia
 Randolph, Agnes M.
 Illinois
 Randolph, Clara
 Illinois
 Randolph, Stella
 Illinois
 Redinger, Carl C.
 West Virginia
 Reeve, Laura W.
 District of Columbia
 Regan, Agnes E.
 New York
 Renz, Millard F.
 Pennsylvania
 *Rhine, Alice L.
 Maryland
 Rhodes, T. Eugene, Jr.
 District of Columbia
 Rice, Elizabeth
 District of Columbia
 *Richards, J. C.
 District of Columbia
 Richardson, Edward M.
 District of Columbia

- Richart, Ruth
 Illinois
 Richeson, Austin B.
 Oregon
 Rieman, W. A.
 Iowa
 Riley, Hugh
 Missouri
 *Rising, L. Elaine
 Pennsylvania
 Rissler, Raymond L.
 District of Columbia
 Roach, Jessie D.
 Illinois
 Roberts, George L.
 New Jersey
 Roberts, M. Clyde
 Mississippi
 Roberts, Walter C.
 Virginia
 Robinson, Frances Louise
 District of Columbia
 Rogers, Florence H.
 District of Columbia
 Rogers, Samuel L.
 North Carolina
 Rommel, George F.
 District of Columbia
 Rooney, William F.
 Massachusetts
 Rorer, Julia H.
 Texas
 Rose, Leonard J.
 District of Columbia
 Rosenberg, Samuel J.
 District of Columbia
 Rosenlund, A. J.
 Minnesota
 Rotzler, William M.
 Utah
 Roush, Allan D.
 Ohio
 Ruby, Charles P.
 Pennsylvania
 Rucker, Ruth E.
 Maryland
 Rue, Harold P.
 Pennsylvania
 *Russell, Archibald L.
 Maryland
 Russell, Paul R.
 District of Columbia
 Ruthven, Mary F.
 District of Columbia
 *Ryan, Loretta H. J.
 Massachusetts
 Sabella R. H.
 Philippine Islands
 Sager, Bert E.
 West Virginia
 Samson, Alfredo
 Philippine Islands
 Sanborn, Dorothy
 District of Columbia
 Sanborn, Norris
 District of Columbia
 Sandys, Ruth E.
 Virginia
 Sasman, Cora E.
 Wisconsin
 Saunders, Richard E.
 District of Columbia
 Sawyer, Verdon A.
 New York
- Saxils, Bronson
 Massachusetts
 Scarborough, Harold B.
 Maryland
 Schaaff, Mary A.
 District of Columbia
 *Schatt, Loren
 District of Columbia
 Schmitt, Harry M.
 New York
 Schumacher, Jennie M.
 Ohio
 Schuttrumpf, Emma D.
 District of Columbia
 Schwinn, George
 District of Columbia
 Schwinn, Gordon
 District of Columbia
 *Seal, Virginia S.
 District of Columbia
 Seaquist, Edgar O.
 Alabama
 Seaquist, W. Henry
 District of Columbia
 Seckinger, Charles R.
 District of Columbia
 Selvey, William H.
 West Virginia
 Shanahan, Katherine
 Kansas
 Shoultes, Marvin A.
 New Jersey
 Shaw, Howard K.
 New Jersey
 Shawn, George B.
 Maryland
 Shea, Aileen
 District of Columbia
 Shea, James W.
 District of Columbia
 Shea, Mary
 District of Columbia
 Sheads, Mary E.
 District of Columbia
 Shearman, Janet C.
 Massachusetts
 Shepard, Alice
 New Hampshire
 Shepard, Lydia
 District of Columbia
 Shepherd, Alexander R., Jr.
 California
 Shepherd, Matson W.
 Maryland
 Shewmaker, Lillian
 District of Columbia
 Slinn, Clarice F.
 Indiana
 Shreve, Richard S.
 Virginia
 Shuford, Fenwick
 District of Columbia
 Shugrue, Fenwick
 District of Columbia
 Shutack, John
 Pennsylvania
 Sillers, Frederick
 District of Columbia
 Silpi, Nirn
 Siam
 Simmerman, Edith M.
 District of Columbia
 Sitler, Jeanette
 District of Columbia

- Smead, Winifred
 Indiana
 Smith, Ardis
 Iowa
 Smith, Audley L.
 Iowa
 Smith, Charles W.
 Maryland
 Smith, Dorothy M.
 District of Columbia
 Smith, E. Kirby
 Illinois
 Smith, Howard L.
 Maryland
 Smith, Hugh Stewart
 District of Columbia
 Smith, Louise J.
 West Virginia
 Smith, Mabel M.
 Pennsylvania
 Smith, Marguerite E.
 Colorado
 Smith, William F.
 District of Columbia
 Smith, Zeula Zong
 California
 Smithwick, William V.
 Florida
 Sobhy, Ibrahim
 Egypt
 Soeth, Dorothy P.
 Florida
 *Soriano, Candido
 Philippine Islands
 Spear, Roy H.
 Oklahoma
 Spence, Vena G.
 District of Columbia
 Spencer, J. B.
 District of Columbia
 Spencer, Kenneth W.
 District of Columbia
 Sperry, Albert
 Florida
 Spielman, Paul
 District of Columbia
 Spoerri, J. Fuller
 Illinois
 Squire, Minnie C.
 District of Columbia
 Staley, Adeline
 District of Columbia
 Stanton, A. J.
 Pennsylvania
 Stanton, William H.
 District of Columbia
 Starr, Arthur P.
 New York
 Steever, Laura W.
 Maryland
 Stephens, Dorothea
 District of Columbia
 Stephens, Marp L.
 District of Columbia
 Stephenson, D. Lindsay
 Florida
 Stevens, Edwin Holt
 Maryland
 Stewart, Caroline
 District of Columbia
 Stewart, Ernest L.
 West Virginia
 Stone, Katherine
 District of Columbia
 Strait, Helen E.
 New York
- Strickland, Josephine
 Alabama
 Stringham, Emerson
 Iowa
 Strycovsky, Zvi
 Egypt
 Suguitan, Demetrio
 Philippine Islands
 Sulit, Gil
 Philippine Islands
 Sullivan, Henry B.
 Nevada
 Suraci, Frances X.
 District of Columbia
 Sutfin, James A.
 Michigan
 Sutton, Dick
 Oklahoma
 Sweeney, Edmund
 Massachusetts
 Swingle, William M.
 District of Columbia
 Taber, Edward
 District of Columbia
 Taliaferro, Julia C.
 Virginia
 Tapley, Gladys
 Alabama
 Tashof, Sophia
 District of Columbia
 Taylor, Donald
 Pennsylvania
 Taylor, Marie W.
 California
 Temin, Morris
 District of Columbia
 Tennyson, J. Anna
 District of Columbia
 Tetrault, Amedee
 Massachusetts
 Thom, Adelaide
 Minnesota
 Thomas, Sue C.
 District of Columbia
 Thompson, A. J.
 District of Columbia
 Thompson, Irvin S.
 District of Columbia
 Thompson, Olga
 Wisconsin
 Thomson, Edith M.
 New York
 Thonsen, Ruby E.
 District of Columbia
 Thurber, Mildred E.
 New York
 Tinsley, William
 Colorado
 Tipton, John J.
 Maryland
 Todd, Augustine J.
 District of Columbia
 Tolson, Clyde A.
 Iowa
 Tolson, Hillory A.
 Iowa
 Townsend, L. Raymond
 Ohio
 Trappey, Adam S. H.
 Louisiana
 Treadwell, Milton S.
 Pennsylvania
 Trenholm, Gerald
 South Dakota
 Tron, Robert A.
 District of Columbia

Tucker, Blossom
 Georgia
 Tucker, William
 Georgia
 Tyler, Harry F.
 District of Columbia
 Tylor, Edward S.
 District of Columbia
 Umbeck, Nelda Rose
 Missouri
 Vaccaro, Josephine
 District of Columbia
 Vail, Margaret
 Maryland
 Van Barneveld, Mary
 Missouri
 Van Doren, Lurana
 District of Columbia
 Vandoren, Theodore J.
 Maryland
 Van Ende, Clara
 Maryland
 Vaughn, Clara B.
 Virginia
 Veley, Bernice A.
 New York
 Veley, Edna L.
 New York
 Vickers, Rose M.
 District of Columbia
 Vidija, Luang
 Siam
 Villanueva, Paterno
 Philippine Islands
 Vincel, Dorothy
 Virginia
 Vivanco, D. Carlos
 South America
 Voigt, O. D.
 District of Columbia
 Volker, Herman L.
 District of Columbia
 Walker, Emma E.
 Maryland
 Walker, M. Hart
 New Jersey
 Walker, V. LaFerne
 Illinois
 Walter, Eva M.
 Illinois
 Wang, T. Y.
 China
 Wange, Hans
 District of Columbia
 Warneke, Cornelia
 Indiana
 Warren, William Van B.
 District of Columbia
 Wasson, Maude
 Louisiana
 Watkins, Samuel A.
 North Carolina
 Weadon, Leafy
 Virginia
 *Wedgwood, Harriet
 Massachusetts
 Wedgwood, Hazel
 Massachusetts
 Weinschelbaume, Samuel
 New York
 Weller, Smith E.
 Iowa
 Wendt, Robert H.
 Iowa
 Weyl, Celeste
 Illinois

Wheatley, Mary E.
 Virginia
 Wheeler, Robert
 District of Columbia
 Whitman, Ralph F.
 Pennsylvania
 Whitten, J. L.
 South Carolina
 Whitzell, Margaret
 District of Columbia
 Wild, Estelle P.
 District of Columbia
 Wildman, Thomas A.
 District of Columbia
 Wilfley, Katherine
 District of Columbia
 Wilgus, Mildred
 Ohio
 Wilkes, Van B.
 Missouri
 Williams, Carrie A.
 Missouri
 Williams, Herbert E.
 Oklahoma
 Williams, Mathilde
 District of Columbia
 Williams, Milton L.
 Mississippi
 Williams, Ray Arthur
 Iowa
 Willis, Benjamin C.
 Maryland
 Willis, Virginia J.
 Virginia
 Willits, George H.
 Pennsylvania
 Wilson, Agnes W.
 Indiana
 Wilson, Genevieve J.
 Rhode Island
 Wilson, John H.
 Maryland
 Winkler, Joseph H.
 District of Columbia
 Wiseheart, Malcolm B.
 Illinois
 Wolpe, Ethel
 District of Columbia
 Wood, John S.
 Massachusetts
 Wood, Noble P.
 West Virginia
 Woodward, Clarence M.
 Michigan
 Woodward, Esther R.
 District of Columbia
 *Woof, Annie D.
 Pennsylvania
 Wooh, Joan
 Colorado
 Woolery, John
 Oklahoma
 Yagle, Irma G.
 Alabama
 Yale, Miles
 Connecticut
 Youngman, Frederick E.
 Wyoming
 Zabel, Oscar A.
 Washington
 Zimmerman, Carl D.
 Utah
 Zimmerman, Lillie L.
 Virginia
 Zisman, William
 Rhode Island
 Zucker, Joseph
 New York

MEDICAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

An asterisk (*) before a name indicates student not in attendance through year.

FIRST YEAR

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Anderson, Aleatha Evelyn	W. Va.	707 Twentieth Street
Arenson, David George	N. Y.	1627 Massachusetts Avenue
Aria, Michael Harry	N. Y.	1424 K Street
Azula, Juan N.	Peru	1424 Rhode Island Avenue
Becker, Samuel	N. J.	1627 Massachusetts Avenue
Bleiker, Ross Franklin	Mo.	1139 New Hampshire Avenue
A. B., 1922, George Washington University		
Blinder, Samuel	N. Y.	2323 Eighteenth Street
Bono, Joseph John	N. J.	1110 Eighth Street
Bowie, Andrew Keene	Md.	1108 L Street
Boyd, James Irving	D. C.	1755 Church Street
A. B., 1923, George Washington University		
Brotman, Irving	D. C.	1430 Meridian Place.
Campus, Joseph Leon	D. C.	606 Twenty-second Street
A. B., 1921, George Washington University		
Caso, Valentino	N. Y.	1319 N Street
Ph. G., 1915, Fordham University		
Cherniak, Sylvester	Penna.	2006 F Street
Chesnow, Albert	N. Y.	465 M Street
Colvin, Henry Lynn	D. C.	926 B Street S. W.
Corey, Wilbur LeRoy	Md.	Takoma Park, General Delivery
Cornwell, Abner Milton	N. C.	1763 P Street
Corriero, William	N. Y.	943 Massachusetts Avenue
Cramer, Ralph Wayne	D. C.	2036 First Street
Cushard, William Green	D. C.	42 Channing Street
Dantzig, Louis	N. Y.	2323 Eighteenth Street
Davidson, James Ford	N. Y.	2012 O Street
Davis, Nathan	N. Y.	1135 Sixth Street
Diatz, Philip	D. C.	2923 Georgia Avenue
Dinerman, Benjamin	N. Y.	1627 Massachusetts Avenue
Dollard, Edward Vincent	N. Y.	1110 M Street
Drago, Joseph John	N. Y.	1213 Eye Street
Eckert, Roy	Pa.	601 Carroll Ave., Takoma Park
B. A., 1922, Washington Missionary College		
Ellerson, Edmund Murdaugh	D. C.	2134 R Street
Engler, William	N. Y.	1627 Massachusetts Avenue
Erlain, Anthony Bartholomew	Pa.	1426 M Street
Evans, Atha West	N. C.	Colonial Hotel
Fauci, Peter Anthony	N. Y.	Champlain Apartments
Ferrara, James Aurelius	N. Y.	1319 N Street
Friedman, Milton	N. J.	1627 Massachusetts Avenue
Gantz, Frank	S. D.	1763 P Street
Geisler, William H.	Calif.	1734 K Street
Gelber, Louis Jack	N. Y.	1213 Eye Street
Genselowitz, Abraham	N. Y.	1104 Fifth Street
Goodiel, Carlton	Pa.	1828 Eye Street
Grogin, James	N. Y.	2511 Pennsylvania Avenue
Harberg, Hyman	Va.	2923 Georgia Avenue
Hottel, Dorothy	Md.	1239 Monroe Street N. E.
Hyman, David	N. Y.	455 M Street
Larkin, Joseph John	N. J.	1108 L Street
Littman, Julius K	N. Y.	1864 California Street
Luber, Samuel	D. C.	1348 Kenyon Street
McNeill, James Hubert	D. C.	1645 Park Road
Malock, Leon Joseph	Pa.	1211 Rhode Island Avenue
Markowitz, Arthur Arnold	N. Y.	1864 California Street
Martin, Lee Richard	D. C.	1730 M Street
B. S., 1921, Virginia Military Institute		
Meiman, William George	D. C.	1308 Randolph St.
Nelson, Walter N.	Conn.	4832 Sixteenth Street
B. S., 1922, Wesleyan University		
Mandelbaum, George	N. Y.	2323 Eighteenth Street
Myers, George Francis	Mass.	1108 L Street
Ottman, Millard Frederick	D. C.	2117 Third Street N. E.
Pinsky, Isadore	N. Y.	1133 Eighth Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Ritchie, William S.	Md.	Ritchie, Md.
Rogers, Samuel Lyle, Jr.	D. C.	3801 Macomb Street
Rubinstein, Edward	N. Y.	1133 Eighth Street
Schwartz, Israel Samuel	N. Y.	1627 Massachusetts Avenue
Seldin, Reuben Shale	N. Y.	1627 Massachusetts Avenue
Smith, Howard Lee	D. C.	601 Carroll Ave., Takoma Park
Sommer, Abram Ellison	N. J.	1627 Massachusetts Avenue
A. B., 1922, Cornell University		
Spiegler, Arnold A.	N. Y.	1627 Massachusetts Avenue
*Steever, Laura Winfield	D. C.	2106 F Street
B. A., A. M., George Washington University		
Steinberg, Louis	N. Y.	455 M Street
Suraci, Francis Xavier	D. C.	1223 H Street N. E.
Suraci, Xaverius Aurelio Romolo	D. C.	1602 Seventh Street
Tepfer, Gustave	N. Y.	Manchester Apartments
Tropp, Oscar	N. Y.	1763 P Street
Unger, Louis	N. Y.	465 M Street
VanNatta, Paul C.	D. C.	1404 M Street
Wood, Jonathan Elmer	N. J.	1828 Eye Street

SECOND YEAR

Anuario, Charles Benedict	N. J.	1324 Massachusetts Avenue
Baning, George S.	Ohio	1331 K Street
Blum, Henry Harry	N. Y.	1627 Massachusetts Avenue
*Borrone, Milton G.	N. J.	1420 M Street
Bosworth, Robert Joseph	D. C.	523 Fifth Street N. E.
A. B., 1921, George Washington University		
Bowen, George Loveridge	Kans.	1810 Connecticut Avenue
A. B., 1922, George Washington University		
Bradley, Henry George	Del.	213 C Street S. E.
Butler, Homer Kirk	D. C.	1611 Riggs Place
Phar. D., 1911, George Washington University		
Carofiglio, Louis Edward	N. Y.	1626 Hobart Street
Chapman, Katharine Antionette	Md.	Kensington, Md.
A. B., 1922, George Washington University		
Cockerille, Laurence Lee	D. C.	3649 Thirteenth Street
Council, Edmond Ensley	N. C.	1326 New York Avenue
Creswell, George William	Md.	1758 N Street
A. B., 1922, George Washington University		
Davila, Jose Estevan	P. R.	928 Fourteenth Street
Denison, Robert	D. C.	909 Thirteenth Street
A. B., 1922, George Washington University		
Evans, Leland Moroni	Utah	130 B Street N. E.
A. B., 1922, George Washington University		
Friedenberg, Harry	D. C.	917 Sixth Street S. W.
Geier, Frederick Aloysius	D. C.	753 Fairmont Street
*Gurevich, Bernard	Md.	Beltsville, Md.
Hand, Francis Marion	Ga.	1733 N Street
A. B., 1922, George Washington University		
Iadiano, Louis Joseph	N. J.	1314 L Street
Johnson, Don	Utah	1810 Connecticut Avenue
LL. B., 1916, Catholic University		
King, William Binford	Va.	Route 2, Alexandria, Va.
Lattman, Isidore	N. Y.	1817 Kenyon Street
Ph. G., 1916, Columbia University		
A. B., 1920, George Washington University		
Leaman, Paul Miller	W. Va.	Y. M. C. A.
Lopez, Victor Antongiorgi	N. Y.	1338 Shepherd Street
Marra, Rocco Salvatore	N. J.	1349 L Street
McNitt, Harry Arnold Hull	Md.	Berwyn, Md.
McNitt, Henry John Russell	Md.	Berwyn, Md.
Morgan, Edwin King	D. C.	1205 Fifteenth Street
A. B., 1921, University of Maryland		
Mulligan, Chas. Steven	N. Y.	1110 M Street
Nathanson, Ester Alaylvia	Va.	1787 Lanier Place
A. B., 1922, George Washington University		
Nicholson, Margaret Mary	Va.	1000 Maryland Avenue N. E.
A. B., 1922, George Washington University		
Nimetz, Aaron	D. C.	1544 Ninth Street
A. B., 1922, George Washington University		
Notes, Bernard	D. C.	2925 Ordway Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Pavlinac, Joseph Henry	Calif.	1324 Massachusetts Avenue
B. S., 1921, Notre Dame University		
Passalacqua, Luis A.	P. R.	1328 Shepherd Street
Porton, Stanley Paul	D. C.	1838 Eleventh Street
Potter, Harold Walter	D. C.	1223 Euclid Street
Protas, Maurice	D. C.	1353 Shepherd Street
A. B., 1921, George Washington University		
Pulman, Peter Boothe	Va.	R. F. D. 4, Alexandria, Va.
Ray, Hartzell Harrison	Kans.	404 B Street N. E.
Rhame, Harold Ellis	Ala.	1236 Eleventh Street
Rubino, Anthony Peter	D. C.	1360 Colorado Road
Schafer, William Lewis, Jr.	Va.	427 Wilkes St., Alexandria, Va.
Schilling, Anthony B.	N. J.	410 H Street
Stallard, Clint Wolfe	Va.	518 H Street
Stretch, Clarence Loughlin	Conn.	1220 N Street
A. B., 1922, George Washington University		
Symmonds, Katharine Godfrey	Ohio	1326 Columbia Road
A. B., 1921, George Washington University		
Thomas, William Raymond	D. C.	4300 Sixteenth Street
Trelles, Laureano	P. R.	1420 M Street

THIRD YEAR

Ballinger, William McCormick	Colo.	1489 Newton Street
A. B., 1921, George Washington University		
Born, Robert B.	Utah	103 Maryland Avenue N. E.
B. S., 1922, University of Utah		
Brilmyer, George Joseph	D. C.	45 Q Street N. E.
B. S., 1913, Alma University		
M. S., 1918, University of Michigan		
Cohen, Roger Stabel	D. C.	1868 Columbia Road
Litt, B., 1919, Princeton University		
Colon, Ramon Tomas	P. R.	1234 Tenth Street
Chiascioni, Rocco Michael	N. Y.	931 M Street
B. S., 1920, Fordham University		
Cullimore, Lloyd L.	Utah	113 Fourth Street N. E.
B. S., 1922, University of Utah		
Deep, Anthony Abraham	D. C.	2518 Seventeenth Street
Duffey, Hugh Clarence, Jr.	D. C.	929 O Street
French, Leslie Hawson	Pa.	The Colonial Hotel
Giovinco, Joseph Bivona	N. Y.	1349 L Street
A. B., 1918, St. John's College		
Harding, James Sylvester	Pa.	Colonial Apartments
Haynes, William Preston	Ky.	1312 N Street
A. B., 1921, George Washington University		
Hewitt, Richard Miner	Conn.	1220 W Street
A. B., 1914, Wesleyan University		
A. M., 1917, Princeton University		
Hoffman, Herman S.	Md.	Brentwood, Md.
A. B., 1921, George Washington University		
Johnson, William Joseph	Mass.	232 First Street S. E.
A. B., 1922, George Washington University		
Karshmer, Nathan	N. J.	1215 Shepherd Street
McChesney, Frank Marks	D. C.	129 Randolph Place
Oliveras, Artajerjas	P. R.	1234 Tenth Street
Peterson, James Albert	Utah	113 Fourth Street N. E.
A. B., 1920, University of Utah		
Perkins, Hanson Travers	Md.	Springfield
B. S., Maryland State College		
Plotnick, Barney	Va.	2014 F Street
Rachlis, Burech	D. C.	222 I Street
Rees, Thomas Richard	Utah	1725 Seventeenth Street
A. B., 1919, George Washington University		
Rosenblatt, Louis	N. Y.	210 Rhode Island Avenue
Rouse, Noah	N. C.	1362 Taylor Street
Rubinstein, Max Rudolph	N. J.	1371 Quincey Street
Russell, John Paul	D. C.	817 Sixth Street
Sapienza, Frank	N. Y.	1110 Eighth Street
Sawyer, Edmund Ellis	N. J.	Emergency Hospital
B. S., 1916, Amherst University		
Schwetsky, Samuel Harold	N. Y.	3927 Thirteenth Street
Searl, Howard A.	Ohio	Emergency Hospital
Shannon, William Arthur	D. C.	1528 Ninth Street
Stein, Joseph	N. Y.	1234 Tenth Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Stuart, Marjorie Shaw	D. C.	1315 Twelfth Street
A. B., George Washington University		
Swartwout, Edith Lillian	D. C.	12 Iowa Circle
Wenaas, Elmer Justin	N. Dak.	103 Maryland Avenue, N. E.
B. A., 1921, University of North Dakota		
Zitani, Alfred Marius	N. Y.	1110 Eighth Street

FOURTH YEAR

Brown, Eadford	D. C.	The Ashley Apartments
Cudney, Ethan Bnage	Mich.	Ventosa Apartments
Chan, Pak Chue	China	326 C Street
A. B., 1919, Asbury College		
Dean, Benj. Franklin, Jr.	D. C.	916 Massachusetts Avenue
Earnest, John Paul, Jr.	D. C.	2123 N Street
A. B., 1920, George Washington University		
Gates, Herbert Stelwyn	D. C.	113 First Street N. E.
Horwitz, Alec	D. C.	916 Four and one-half Street S.W.
A. B.		
Harnsberger, Charles Whitfield	Va.	R. F. D. 1, Rosslyn, Va.
Humberd, Charles Dean	Mo.	Hotel Hudson
A. B., 1919, University of Missouri		
B. S., 1919, University of Minnesota		
Kain, Helen Gladys	D. C.	129 E Street
B. S., in Chemistry, 1917, George Washington University		
Moody, Terrell	Ga.	2011 Park Road
A. B., 1918, Mercer University		
Poster, Russell Herbert	Pa.	906 M Street
Rechman, Benjamin	N. Y.	2110 Rhode Island Avenue
Wanlass, Stanley Adrian	Utah	624 H Street
A. B., 1915, University of Utah		
Warrick, Luby Albert	N. C.	624 H Street
A. B., 1920, Wake Forrest College		
Woodbury, Clare Watson	Utah	624 H Street
A. B., 1919, University of Utah		

STUDENTS REGISTERED IN THE SCHOOL OF PHARMACY, 1922-1923

Name	Legal Residence	Address
Alvarez, M. Manuel	Cuba	2630 Sixteenth Street
Adams, A. B.	Md.	2830 Twenty-eighth Street
Briggs, W. Paul	D. C.	237 Ninth Street N. E.
Bachrach, Louis B.	D. C.	2162 First Street
Cawley, Cathleen	Penn.	1033 Lamont Street
Corwin, H. LaFay	D. C.	3101 20th Street N. E.
Collins, Hugh F.	D. C.	766 Rock Creek Church Road
Conley, Jas. J.	N. H.	Clarendon, Va.
Cross, Roger W.	Va.	Clifton Station, Va.
Dyer, Chas. F.	D. C.	116 V Street
Freeman, Julian D.	D. C.	2328 Georgia Avenue
Funger, Wm.	Canada	1856 Eighth Street
Ghani, Fuad A.	Egypt	909 M Street
Heller, Wm. L.	Va.	407 Second Street
Kinner, Harold C.	N. Y.	Mt. Ranier, Md.
Kelly, Thomas J.	Va.	329 S. Alfred St., Alexandria, Va.
Leonardo, Alexander C.	Penn.	1023 Harvard Street
Lenovitz, Henry J.	Md.	Rockville, Md.
McMurray, J. Arthur	Texas	1322 Massachusetts Avenue
O'Donnell, Aloysius D.	D. C.	317 W Street N. E.
Ruby, Chas. P.	Penna.	1236 Eleventh Street
Stewart, J. Chester	Del.	127 Third Street N. E.
Treiger, Henry D.	Russia	700 Ninth Street S. W.
Warren, Milton F.	Ohio	1750 Massachusetts Avenue
Williams, Edwin T.	D. C.	1028 Irving Street N. E.

STUDENTS REGISTERED IN THE LAW SCHOOL 1922-1923

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since January 30, 1923, by daggers.

Students who are college graduates are indicated by the degree, year in which it was received, and name of college conferring it.

Students who have had only part of a college course are indicated by the names of the colleges attended.

FIRST YEAR

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
*Adamson, B. Octavia A. B., Brenau College	Ga.	917 16th Street
†Adcock, William F.	Ky.	Franklin Square Hotel
Aitkens, Irene Clara	La.	Apt. 308, Carlisle Court, 14th and Columbia Rd.
Alexander, Audrey	D. C.	1800 K Street
Alexander, Mabel Clare, George Washington University	Wash.	1320 15th Street
Allen, Hartford	Ohio	The Pentilly
Alseen, Myrtle Frances Carolyn, George Washington University	Minn.	1465 Meridian Place
Anadale, George Arthur	D. C.	3922 New Hampshire Avenue
Anderson, Walter Irwin Franklin and Marshall College; George Washington University	Penn.	2040 F Street
NAME	LEGAL RESIDENCE	LOCAL ADDRESS
†Andrews, Alice George Washington University	D. C.	1921 G Street
†Aten, Ralph S. George Washington University	D. C.	3901 Keokuk Street
Atkins, Craig Starbuck University of North Carolina; George Washington University	D. C.	1211 K Street
*Aud, William Seneca George Washington University	Va.	Pelham Courts
†Austin, W. Leo	Tex.	Y. M. C. A.
†Babbington, Thomas A.	D. C.	7 K Street, N. E.
*Bacon, Dora Amanda	D. C.	316 First Street, S. E.
*Baldauf, Agnes Helena	Pa.	1824 S Street
Banks, Wylie Coleman A. B., University of Alabama	Miss.	Y. M. C. A.
Barlow, Edwin	D. C.	1600 Rhode Island Avenue
†Barnes, Lewis Horatio	Tex.	400 Southern Building
†Barnett, Louis S. B., 1909, Mass. Institute of Technology	N. Y.	1872 California Street
Barney, Ralph Andrew	Okla.	1736 G Street
Barrow, John Ralph George Washington University; Carnegie Institute of Technology	Ohio	2711 So. Dakota Avenue, N. E.
†Bartl, Forest Florian George Washington University	Ind.	1412 Oak Street
Bartram, Nell Wright M. D., 1903, Woman's Medical College	Pa.	The Chastleton
Barwick, Marie Estelle	S. C.	1744 P Street
†Basham, Gus Orell Western Ky. State Normal School	Ky.	1312 Emerson Street, N. E.
Baum, Willis Carter	D. C.	1004 B Street, S. W.
*Beach, Mary J. University of Fla.; George Washington University	Fla.	1212 12th Street
Beagle, Regina Victoria	D. C.	4533 Iowa Avenue
Beall, Hester Walker	D. C.	3831 13th Street
*Bell, Florence Colfax George Washington University	N. Y.	451 Irving Street
†Bennett, James Van B. A. B., 1918, Brown University	R. I.	Apt. 45, The Victoria

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
†Berg, John Graduate, 1917, New York University	D. C.	1427 Chapin Street
*Berkman, Abraham George Washington University	D. C.	816 B Street, S. W.
Binger, Fred Russell, Jr.	Md.	Upper Marlboro, Md.
Blackshear, Paul David	Ga.	Apt. 5, 1300 Mass. Ave.
Blake, Ida Vincent Ohio University; Adrian College	Ohio	Govt. Hotel, P-Q
†Blake, Wyatt Elbert University of North Carolina	N. C.	
Blood, John Balch S. B., 1890, Mass. Institute of Technology	Mass.	1808 Eye Street
†Blum, Sophia Christina East Stroudsburg State Normal School	Pa.	1013 L Street
Boardman, May Evelyn	N. J.	Govt. Hotel, P-Q
Bond, Samuel Hazen, II George Washington University	Ill.	1400 M Street
Booth, Alfred Walter C. E., 1911, Princeton University	D. C.	3416 R Street
*Boothe, Gardner Lloyd, 2nd University of Virginia	Va.	406 N. Washington S Alexandria, Va.
Bowen James Harfield	D. C.	1654 Hobart Street
Boyden, Roger Talbot B. S. in C. E., 1921, George Washington University	Mass.	206 South Brook Cts.
*Boynton, Henry Delano	D. C.	1233 B Street, S. E.
Bradford, John Leo William Jewell College; Park College	D. C.	1901 D Street
Bradley, Fontaine Cosby	D. C.	1601 28th Street
Brandeis, Elizabeth A. B., 1918, Radcliffe College	D. C.	Stoneleigh Court
†Brandenburg, Francis Walter George Washington University	D. C.	Fendall Building
Brandenburg, Stanley Crook University of Colorado	Colo.	344 D Street
Breese, Paul Edward	Ohio	1752 Corcoran Street
Breidenbach, Samuel Heavrin	Ky.	R. R. No. 1, Falls Church, Va.
Bresnahan, John Alfred	D. C.	2127 N Street
Brooker, Edwin Illinois State Normal University	D. C.	Apt. 300, 2700 Conn. Ave.
Brookfield, John William, Jr. University of Virginia	Va.	208 N. Columbia St., Alexandria Va.
†Brooks, Benjamin Joshua	D. C.	1228 Irving Street
Bross, Charles Milborne	Mich.	1319 N Street
*Brown, Drury Alexander	N. C.	1813 Columbia Road
†Bruce, Robert Manydier B. S., California Institute of Technology	Calif.	943 O Street
Brumbaugh, Granville Martin Lehigh University	D. C.	3001 16th Street, N. E.
Bryant, Sarah Catherine	Ky.	Govt. Hotels
†Buckingham, Harriet Indiana University	Ind.	1801 Eye Street
Buckley, Elizabeth Madeline Southern Illinois Normal	Ill.	1620 19th Street
Buice, Howard Huggins	Ga.	2800 Connecticut Avenue
†Burns, Dorothy B.	D. C.	The Chastleton
Burns, James Edward University of Michigan	D. C.	1335 15th Street
Buschman, Kenneth James Carleton College; George Washington University	Minn.	1312 N Street
*Butler, Florence	D. C.	Ontario Apts.
Butler, Geo. Aaron University of Iowa	Iowa	1669 Columbia Road, Apt. 2
Byars, Joseph Cloyd, Jr. Emory and Henry College; George Washington University	Va.	Care of Washington Herald
Camp, Carver Ingham	Pa.	1307 Clifton Street
†Campbell, Claude Waldru A. B., 1916, Furman University	S. C.	310 C Street
*Campbell, Mildred Helen	D. C.	804 21st Street
Carpenter, Irvin Watson	D. C.	1217 Rhode Island Ave., N. E.
*Carson, Ray Gentry Lincoln Memorial University; University of North Carolina	N. C.	909 13th Street

FIRST YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
†Carter, Frances	D. C.	1734 N Street
*Cashell, Edward Hazel	Ind.	Rockville, Md.
B. S., St. John's College		
*Chan, Im-Hing	China	306 9th Street
A. B., 1922, George Washington University		
Cheatham, Thomas Pope	S. C.	Marine Barracks, D. C.
B. S., 1915, The Citadel		
Chesnulis, Peter Vincent	N. J.	1119 K Street
*Churbuck, Percy Forrest	Mass.	1758 N Street
Clark, Frank Moon	D. C.	1482 Monroe Street
Clark, Lillian Genevieve	D. C.	32 Bryant Street
†Clark, Milford Harrison	D. C.	1857 Park Road
Cline, George Walter	Ind.	The Maury, 19th and G
Clore, Edward	Ind.	1107 11th Street
Cochran, Mary Jane	N. Y.	1739 F Street
Cohen, Carl Manuel	D. C.	1872 California Street
Massachusetts Institute of Technology		
Colflesh, Robert William	Iowa	1916 17th Street
A. B., 1922, George Washington University		
Conlyn, Margaret	D. C.	2236 35th Street
Connor, Mary Gertrude	Maine	Government Hotel, G-H
New York University		
Conry, Mary Ellen	D. C.	1343 30th Street
*Cook, Benjamin Edwards	Okla.	110-A, H. O. B.
University of North Carolina		
*Cook, Claude Allen	Okla.	1923 K Street
Oklahoma A. and M College		
Corbin, Bartley Hampton	Ala.	1810 Connecticut Avenue
Alabama State Normal School; George Washington University		
Covington, Hilburn Pace	Miss.	Federal Trade Commission
Coyle, George Snyder	W. Va.	1813 Columbia Road
University of Virginia; George Washington University		
Craig, John Whittelsey	Pa.	1758 N Street
University of Pennsylvania; Pennsylvania State College		
Crain, Newel Berryman	D. C.	717 Princeton Place
Baylor University; George Washington University		
†Crain, Robert, Jr.	Md.	1855 Wyoming Avenue
University of Maryland		
Crandall, Marie Frances	N. Y.	1715 Oregon Avenue
Curtis, Harold Parker	Minn.	
†Daniels, Harriett Walthall	Va.	Burlington Hotel
Virginia State Normal School		
Darby, Roy T.	Iowa	2106 G Street
George Washington University		
Dart, Francis Clements	Ga.	1156 15th Street
A. B., 1922, University of Georgia		
Davidson, Maria M.	D. C.	1456 Irving Street
George Washington University		
Davis, Charles Thomson	Miss.	128 C Street, N. E.
Davis, Facius Wesley	D. C.	1357 Jefferson Street
Davis, Graham	N. C.	1918 18th Street, Apt. 3
University of North Carolina; George Washington University		
*Davis, James Cox, Jr.	Iowa	2715 Connecticut Avenue
Davis, Robert William	Wis.	2007 G Street
Davis, Thomas Joel, Jr.	Ga.	1312 N Street
University of Georgia; George Washington University		
Dawson, Frank Albertus	D. C.	2551 17th Street
University of Maryland		
Degaitos, Gerasimos Nicholas	Pa.	111 Second Street
University of Pittsburgh		
†De Nunzio, Frank	D. C.	1213 E Street
George Washington University		
*De Witt, James Truxal	Ohio	Hotel Powhatan
Adelbert College, W. R. U.		
Dice, John Oliver	Ill.	1219 Jackson St., N. E.

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Digges, Isaac Watlington	D. C.	1746 K Street
A. B., 1917, University of Richmond		
Digges, Reid Watlington	D. C.	1746 K Street
University of Richmond; University of North Carolina; University of Virginia		
†Diggins, John Vincent	Pa.	1710 G Street
†Dinger, Jean Thompson	D. C.	131 A Street, N. E.
Dishmon, Lyman Haskell	Tenn.	Apt. 2, 1300 Mass. Avenue
DonLeavy, Mary Agnes	Vt.	1320 15th Street
George Washington University		
Dorsey, Hammond P.	Md.	2627 Adams Mill Road
Graduate, 1922, St. John's College		
†Douden, William L.	N. Y.	336 14th Street, N. E.
Rensselaer Polytechnic Institute		
Dulles, Allen Welsh	N. Y.	2328 Ashmead Place
A. B., 1914; A. M., 1916, Princeton University		
Durham, Archie E.	Va.	Clarendon, Va.
*Dworin, Anna	D. C.	3510 Centre Street
*Dymond, Arleta Romaine	Pa.	College Park, Md.
A. B., 1919 Pennsylvania State College		
Eaton, Harry	D. C.	455 Munsey Building
B. S., 1916, Cornell University		
*Edmonds, Henry Gordon	D. C.	1026 Newton Street, N. E.
Maryland University		
Edwards, Clifford Conklin	N. Y.	1016 17th Street
A. B., 1916, Cornell University		
Edwards, Frances Elizabeth	Idaho	1636 Connecticut Avenue
Eitzel, Walter Byron	Pa.	1736 G Street
George Washington University		
Elliott, Charles	Va.	1226 Munsey Building
Ellsworth, German Smith	Utah.	1330 L Street
Elvehjem, Oswald Milton	Wis.	4316 Fessenden Street
A. B., 1915, Luther College		
Emrick, Leon Hale	Ohio	122 Fourth Street, S. E.
B. S. in E. E., 1918, Purdue University		
Erskine, Walter Allen	N. Y.	152 12th Street, S. E.
A. B., 1907, A. M., 1910, Syracuse University		
Estevez, Juan	Pt. Rico	1328 Massachusetts Avenue
St. Bonaventure's College; Georgetown University; George Washington University		
Evans, Walter Ogden	Ky.	224 E Street, N. E.
Western Kentucky State Normal; George Washington University		
*Everett, Tom Carmon	Tenn.	1810 Connecticut Avenue
Vanderbilt University		
Fagan, Milton J.	Wis.	3032 N Street
Campion College		
†Fagin, Louis Jacob	N. J.	
Columbia University		
Fahcy, Willis Hubert	W. Va.	512 Rhode Island Avenue, N. E.
West Virginia University		
Falk, Walter Albert	Fla.	60 M Street
University of Iowa		
Felstein, David	Va.	36 D Street, S. E.
Fisher, Clarence M.	D. C.	513 Florida Avenue, N. E.
Fisher, Howard Cochran	D. C.	1736 G Street
B. S. in Econ., 1918, University of Pennsylvania		
*Fitz Gibbon, William Charles	N. Y.	1645 K Street
*Flannery, John Matthew	Pa.	1313 Massachusetts Avenue
St. Thomas' College		
Flehr, Paul Duis	Ohio	1708 Newton Street
B. M. E., 1921, Ohio State University		
Fleming, Ruby R.	Ky.	801 Hibbs Building
A. B., 1910, State University of Kentucky		
Fletcher, Louis Dubois, Jr.	N. Y.	1736 G Street
E. E. Rensselaer Polytechnic Institute		
Ford, William Forrest	Ark.	1758 N Street
University of Arkansas		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Foster, Benjamin Smith, Jr. George Washington University	Ark.	831 Woodward Building
Foster, Elbert Ellsworth B. S., 1922, The Citadel	S. C.	2034 G Street
*†Foute, Ethel	D. C.	2240 Ontario Road
Fraker, May George Washington University	Tenn.	1214 Massachusetts Avenue
Fraser, William August Carnegie Institute of Technology	D. C.	710 Eye Street, N. E.
Friedman, Isaac Wilbur	D. C.	447 7th Street, S. W.
*Friedrich, Charles New York University	N. Y.	Capital Heights, Md.
*Frushour, Russel Edward George Washington University	Ind.	1420 Massachusetts Ave., S. E.
*Funk, Hazel Azetta	Pa.	1819 G Street
†Galbreath, John Watson, Jr.	Md.	1502 17th Street
Gatchell, Willard Waddington George Washington University	D. C.	3209 19th Street
†Gilbert, Joseph B.	Pa.	936 Madison Street
Gillespie, Rees Alexander University of Maryland; George Wash- ington University	Mo.	1501 16th Street
*Girvin, John Warren	D. C.	618 Lexington Place, N. E.
Girouard, Philias Henry George Washington University	R. I.	1202 Florida Avenue, N. E.
Glasner, Jack Boggs	S. D.	1300 Belmont Street
Gleichman, Walter Charles George Washington University	Ind.	1719 Eye Street
Glover, Wilber Barron George Washington University	D. C.	3104 18th Street
Goldstein, Bernard	D. C.	2934 Macomb Street
Goodall, Anna Marie	D. C.	1824 Ingleside Terrace
Gordon, Robert Sirkosky A. B., B. S. in C. E., University of Okla- homa	Okla.	Y. M. C. A.
Goss, Marshall J. George Washington University	D. C.	721 Quebec Place
Gott, Eugene Cissel, Jr. Electro-Metallurgist, 1921, Lehigh Uni- versity	D. C.	2012 R Street
†Grant, Edna Agnes	Ill.	129 Government Hotels
*Gravelle, Louis Alvin	Iowa	1941 Calvert Street
Green, Harry Bruce	Va.	10 Chestnut St., Clarendon, Va.
†Greer, Marion Douglas	Va.	1603 K Street
Grey, Vernon Edward	D. C.	1506 Meridian Place
Grigsby, Thelma Lane	Ind.	228 The Roosevelt, 16th and V Streets
*Grow, Robert Emerson	Ohio	1813 F Street
Guinn, Rose Susan A. B., 1913, University of Minnesota	Minn.	1734 Church Street
†Hagen, William I. University of North Dakota	N. Dak.	1510 Park Road
*Haley, Terese V.	N. J.	4617 Georgia Avenue
*Hallowell, John William	N. J.	Treasury Department
Hamlin, Lillian John B. Stetson University	D. C.	Loans and Currency, Treasury Department
Hansmann, Elwood B. S., 1922, Pennsylvania State College	D. C.	2835 27th Street
†Hanson, Lester Louis	Va.	Box 11, East Falls Church, Va.
*Hardy, Thomas Waring	D. C.	1336 S. Carolina Avenue, S. E.
Harris, Field Graduate, 1917, U. S. Naval Academy	Ky.	5303 39th Street, Chevy Chase
*Harris, Pauline Marie	Pa.	1409 Massachusetts Avenue
Harris, William Wilen S. B., 1922, Mass. Inst. of Technology	D. C.	1500 Decatur Street
Harrison, Vera Lue Benett College	Tenn.	The Chastleton
*Hart, Willard Lanning B. S., 1919, Clemson Agricultural College	Ohio	1319 Irving Street
Harvey, Leslie Peter St. Joseph's College	Pa.	1418 W Street
Harvey, Samuel Hugh M. S., 1921, University of Minnesota	Md.	College Park, Md.

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Hastings, George Sands A. B., 1921, George Washington University	D. C.	3600 Ordway Street
†Hatch, James Jackson Trinity College	N. C.	Room 438, House Office Bldg.
Hathaway, Edward Ashen B. S., 1922, Calif. Inst. of Technology	D. C.	3751 Northampton Street
Hathaway, Stanley Eugene Northwestern University	Ind.	918 M Street
Hawley, Harry Regan University of Idaho	Idaho	1028 17th Street
Haworth, Edith Floy	N. C.	1500 13th Street
Haycraft, Charles Isaac George Washington University	Minn.	16 Randolph Place
Hedlund, William Theodore B. S., Mass. Institute of Technology	Mass.	917 19th Street
Heffner, Edith Virginia	W. Va.	107 Carroll Avenue, Takoma Park, D. C.
*Helfgott, Isidor	D. C.	618 Otis Place
Henry, Ernest Fulton	D. C.	3102 Mt. Pleasant St.
Hensley, Pearle Burruss George Washington University	Va.	2524 17th Street
Heth, Eva Virginia A. B., 1892, A. M., 1893, University of Virginia	D. C.	1833 S Street
Hill, Samuel Jones	Va.	2904 P Street
Hilland, Arthur Jonathan George Washington University	Iowa	1428 R Street
Holbrook, Jane May	Minn.	1323 Clifton Street
Holmes, Clay Clinton	N. Y.	3000 16th St., Brookland, D. C.
*†Holshouser, Howard P.	N. C.	1480 Chapin Street
Hoover, Wallace Beattie	D. C.	1514 17th Street
Horany, Eddie E.	Okla.	2518 17 Street, Apt. 21
Howard, George Turner Graduate, 1917, U. S. Naval Academy	Ga.	Office of J. A. G., Navy Dept.
Hubbard, James Owen North Carolina State College	N. C.	1023 15th Street
Hull, LeRoy Martin	Kans.	2317 Pennsylvania Avenue
*†Hume, Howard Stanley	Ind.	606 21st Street
Hummer, Aubrey Eugene A. B., 1921, George Washington University	D. C.	1237 Kenyon Street
*Hunt, Frank Naylor Robert Central State Normal, Oklahoma	Okla.	1020 Woodward Building
Hunt, Ora Leland B. S., Columbia University	D. C.	1913 Kenyon Street
Hunter, George Terrett	Md.	Hyattsville, Md.
Hunter, Paul Bemwood B. S., 1921, Mass. Institute of Technology	Va.	Div. 45, Patent Office
Hurd, James Fay	Ohio	1322 15th Street
Hussey, Daniel Joseph	D. C.	32 K Street
Janes, Clinton Searl Pratt Institute	Md.	Div. 12, Patent Office
*Jeffries, Leonard Charles Tullamore College, King's County, Ireland	D. C.	1325 11th Street
Johnson, Dunbar Hanson, Jr. George Washington University	D. C.	552 Shepherd Street
*Johnson, Mrs. Grace Dean B. S., New York University; A. M., George Washington University	Ohio	Bethesda, Md.
Johnson, Harry Wiswell Lafayette College	D. C.	831 Rittenhouse Street
Johnson, Lester Wylie George Washington University	Ill.	1758 N Street
Jones, Clarence Maupin	W. Va.	1600 Rhode Island Avenue
Kalnoski, William Joseph	Pa.	914 H Street
†Kearney, Anna Marguerite	Pa.	The Sherman, 15th and L Sta.
Kelley, McClure A. B., 1921, Princeton University	Iowa	Wardman Park Hotel
*Keren, Doris Evelyn	D. C.	1336 7th Street
Kimball, Herbert Cowling A. B., 1916, Dartmouth College	Ill.	1819 Monroe Street
King, Olive Virginia	D. C.	1331 Belmont Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
†Kipnis, Samuel William	D. C.	621 P Street
Koughan, Frank Michael	Mass.	1311 K Street
George Washington University		
Kroll, William McKinley		
Krumm, Edgar	D. C.	122 Maple Avenue, Takoma
†Kunz, Philip Waldemar	Park, D. C.	
	Pa.	2026 F Street
	Pa.	Seward Apt., 4th and Pennsyl-
Kushner, Irene C.		vania Avenue, S. E.
LaCovey, August Joseph	D. C.	1348 A Street, S. E.
Landa, Alphonse Howard	D. C.	1148 5th Street, N. E.
Lane, Robert Phillips	Ill.	1156 15th Street
Lane, Russell Charles	D. C.	3105 19th Street
George Washington University	N. Y.	9 Elm Avenue, Takoma Park,
Lattin, Clarence Lorenzo		Washington, D. C.
Ph. B., 1920, Yale University	Conn.	722 Taylor Street
Lavine, Harold H.	Va.	1329 M Street
Lavine, Isidor Morris	Va.	1329 M Street
Law, Albert James	Utah	The Colonial, 15th and M Sts.
Utah Agricultural College		
Law, Francis Marion, Jr.	Tex.	
Princeton University; University of Texas		
Leckie, Robert Leggett	D. C.	Southern Ry.
Leite, Charley Dale	Mich.	2040 F Street
Lesser, Moses Aaron	Mass.	The Alabama, Apt. 501
George Washington University		
Levin, Harry Herbert	Pa.	923 Massachusetts Avenue
B. S. in C. E., 1922, University of Penn-		
sylvania		
Levin, Samuel	Md.	923 Massachusetts Avenue
B. S. in Chemistry, Carnegie Institute of		
Technology		
Levington, Joseph L.	Ga.	22 Jackson Place
Lewis, Orme	Ariz.	2305 18th Street
Leland Stanford University		
Lewis, Samuel Lee	Okla.	1439 T Street
Oklahoma A. and M. College		
Lichtenberg, Saul Gilbert	D. C.	936 Shepherd Street
*Lieber, Leo	N. Y.	1440 Oak Street
B. C. S., 1921, New York University		
Little, Donald	Kans.	George Washington Inn
George Washington University; Univer-		
sity of Kansas		
Littlejohn, William Fowler	Vt.	105 West Clifton Terrace Apts.
Ph. B., 1915, Brown University		
Litzelman, John Henry	Pa.	1354 Monroe Street
Lounsbury, Frederick William	Colo.	25 You Street
Lowe, Frank Lopen	D. C.	1808 Eye Street
Graduate, 1914, U. S. Naval Academy		
Lowry, John Evert	Texas	
Baylor University		
Luchs, Bert Maurice	D. C.	The Maycroft, 15th and Col. Rd.
George Washington University		
Lyon, Kenneth Ernest	Utah	126 C Street, S. E.
*MacDonald, Roscoe Gorea	S. C.	3320 16th Street
University of Georgia		
MacKay, William Gladstone	Md.	210 Ethan Allen Avenue, Ta-
		koma, Md.
Madarang, Saturnino Ogas	Phil. Is.	2019 Columbia Road
Maddox, Thomas Francis	D. C.	4004 5th Street
Magee, David	Colo.	1312 N Street
Mague, Roscoe Edwin	Mass.	Cavanaugh Courts, Apt. 319
George Washington University		
Mahon, Kenneth Elliott	D. C.	1345 Irving Street
Georgia School of Technology		
Mahon, Walter William	D. C.	1345 Irving Street
Crichton College		
Mahoney, Eldred N.	Iowa	1751 Que Street
Mallet-Prevost, George	D. C.	3562 13th Street
Mansfield, Herbert Stanley	Wis.	1842 Calvert Street
B. S., 1922, University of Wisconsin		
Marble, Jarvis Carter	N. Y.	Burlington Hotel
B. S. in M. E., 1916, University of Mich-		
igan		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Martin, Bernadette Anna Potsdam State Normal School	N. Y.	1812 K Street
Martin, John Vincent B. S., 1922, Clemson College	S. C.	1127 13th Street
Matthews, David Terrell University of Cincinnati; Kenyon College	Ohio	Department of Justice
*Matthews, Ellen Nathalie A. B., 1909, A. M., 1912, Radcliffe College	Mass.	2810 Cathedral Avenue
Merritt, Ella Arvilla A. B., 1903, A. M., 1905, George Washington University	D. C.	1603 Irving Street
Metz, Jessie Virginia	D. C.	4107 Illinois Avenue
Miller, Ralph Francis George Washington University	Pa.	338 Maryland Avenue N. E.
*Miller, Rudolph Ney	D. C.	2479 18th Street
Millsbaugh, James William	Ind.	2865 29th Street
Mitchell, Herbert Henry	N. J.	1105 K Street
Moncure, Dorothea Ashby B. S., 1911, Woman's College, Richmond, Va.	Va.	1603 K Street
Moncure, Jack Ashby Eastern College	Va.	3804 Kanawha Street, Chevy Chase, D. C.
Moncure, Richard Cassius Lee	Va.	1300 Pennsylvania Avenue
Monroe, David Alexander	Va.	129 Florida Avenue
Mooney, Timothy Caldwell University of Cincinnati	Mass.	1673 Columbia Road
Moran, August Herman Cornell University	D. C.	130 Webster Street, Apt. 12
*Morley, Clarence Joseph, Jr. Colorado University; George Washington University	Colo.	1750 Massachusetts Avenue
Moscovitz, David B. S., Yale University	Conn.	1215 Girard Street
*Muir, Joseph Johnstone	D. C.	1615 Webster Street
Munson, Reginald Broadwater	Va.	Falls Church, Va.
*Myers, John Dallas George Washington University	Ind.	The Brunswick, Apt. 51
†McDanell, James Robert	Ky.	1367 Perry Place
McGann, Joseph Henry	D. C.	1345 Park Road
McGraw, Willard Graves	Md.	117 10th Street, N. E.
McKendree, Laurette A. B., George Washington University	Ohio	1517 Rhode Island Avenue
McKenna, William Thomas	Pa.	1354 Monroe Street
†McKinley, William Stuart	W. Va.	214 2nd Street, N. E.
*McLaughlin, John Thomas Catholic University; Georgetown School of Foreign Service	N. H.	1223 Newton Street, N. E.
McLaughlin, Margaret A. B., 1922, Wellesley College	D. C.	The Highlands, Conn. Avenue
†McManamy, Carl Dewey B. S. in M. E., 1923, George Washington University	Mich.	Box 621, 1736 G Street
*McMillan, Herman George B. S., 1922, Dartmouth College	Mass.	1813 Columbia Road
†McPartland, Parnell State University of Iowa	Iowa	Apartment 30, 1723 G Street
†McQueen, Sarah Lawrence	D. C.	1612 Webster Street
McRae, Calvin Brice	Ohio	1734 K Street
†Nathan, Robert B. A. B., 1923, University of Alabama	Ala.	1750 Massachusetts Avenue
Neacey, William	D. C.	643 Que Street
†Neil, Hubert Frederick Graduate, 1918, New York University	N. Y.	3222 13th Street
Nelson, Henning Richard	Ill.	1736 G Street
†Nelson, Rebekah Hamer Louisiana State Normal; Knox College	Ill.	Del Ray, Alexandria, Va.
Newman, Helen Catherine	D. C.	705 Plaza Apartments, Washington Circle
Newton, Hazel Mae George Washington University	Mass.	1319 Harvard Street
*Nicholas, Henry Thompson Graduate, U. S. Naval Academy	D. C.	Marine Barracks

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Nichols, Arthur Green, Jr.	D. C.	3921 Morrison Street
Nichols, Ralph LeRoy	Minn.	Y. M. C. A.
Lawrence College		
Nicol, Louise	Ind.	
†Niebell, Paul Milton	Pa.	Y. M. C. A.
Chicago Conservatory		
Niebell, Ralph Augustus	Pa.	Y. M. C. A.
Norred, Jack Charles	Cal.	1401 Massachusetts Avenue
University of Louisiana		
*North, Will Carleton	Iowa	1719 Eye Street
B. S. in M. E., 1920, Iowa State College		
†Noyes, Martha	Pa.	1539 Eye Street, Apartment 8
Pennsylvania State College; State Normal School, Pennsylvania		
Nunnally, William Josiah, Jr.	Ga.	The Avondale Apt., 1734 P St.
Graduate, 1915, U. S. Naval Academy		
O'Keefe, Charles James	Mass.	36 New York Avenue
†Oliver, Ernest H.	Utah	Pelham Courts, P St., Apt. 206
Oliver, Lemuel	Ky.	323 East Capitol Street
West Tennessee State Normal School		
Oliver, Milton Nash	Tex.	1300 Jefferson Street
University of Pennsylvania; University of Texas		
†Oliver, Robert Taylor	D. C.	612 3d Street
Georgetown University		
Owings, William Rapley	Ga.	1654 Hobart Street
†Padgett, Alice Elizabeth	D. C.	1833 Park Road
Trinity College		
†Palmer, Charles Mulford	Mass.	1737 Columbia Road
B. S. in M. E., 1921, Tufts College		
Pan, Chien Ching	China	16 4th Street, S. E.
B. S., 1918, B. A., 1919, University of Nanking, China; M. A., 1920, Columbia University		
Patten, Kenneth Spaulding, Amherst College	D. C.	4925 Conduit Road
*Patterson, Paul Lorraine, Drury College	Mo.	1733 N Street
Patterson, Tempe Townes	N. C.	815 Connecticut Avenue
East Carolina Normal School		
Pearce, Frederick Leon	Md.	5 Cleveland Avenue, Takoma Park, Md.
B. S., 1915, M. C. S., 1916, Dartmouth College		
*Peck, Mildred Agnes	D. C.	3902 Kansas Avenue
*Perry, Hugh Marlin	Va.	410 B Street, N. E.
Peterson, Emmett James	Cal.	246 House Office Building
A. B., 1921, University of Pennsylvania; A. M., 1922, George Washington University		
*Petitte, James Kane	N. Y.	2014 G Street
B. S., Bucknell University		
Petty, Joe Nicholas	Ala.	1719 Eye Street
State Normal School, Jacksonville, Ala.		
Phenix, Spencer	D. C.	2274 Cathedral Avenue
A. B., 1912, Harvard University		
Phillips, Charles Emory	D. C.	87 Eastern Avenue, Takoma Park, D. C.
George Washington University		
Phillips, Merrill Fulton	Ga.	3503 Lowell Street
Phillips, Stanley Bryan	Ky.	1332 Eye Street
Asbury College		
Pierson, Stanley Bird	N. J.	312 1st Street, S. E.
Platt, Gilbert Garrigue	Md.	Takoma Park, Md. (P. O., D. C.)
Washington and Lee University; University of Michigan		
Pledger, Charles Edward, Jr.	Va.	4013 Marlboro Place
Plunkett, Laura Krueger	Wisc.	1423 Foxall Road
Oshkosh Normal and Green Lake County Training School		
Poindexter, Mattie Jane	Ky.	1723 G Street, Apartment 4
A. B., 1921, George Washington University		
Powers, Mary Ellen Frances	Mass.	The Roydon, 1619 R Street, Apartment 403
Fall River Normal School		
*Prestrud, Carl G.	Wash.	Monterey Apartments, 35, Connecticut and Porter St
A. B., 1909, Spokane College		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Pryor, George Wilfred	Md.	36 Poplar Avenue, Takoma Park, Md.
†Quarton, William Barlow, Jr. University of Iowa	Iowa	1312 N Street
Quittner, Francis Frederick	N. Y.	
Ralls, Oscar Blount, Jr. U. S. Naval Academy; Johns Hopkins University	Va.	Alexandria, Va.
*†Randolph, Charles M.	Conn.	909 7th Street, S. E.
Reagan, Mary Agnes	N. Y.	1511 22nd Street
Reardon, Grace Elizabeth Ph. B., 1908, Syracuse University	N. Y.	1819 Eye Street
*Reed, Walter Francis	Del.	1017 15th Street
†Regan, Arthur Christie B. S., 1922, Princeton University	Minn.	1759 Euclid Street
Reynolds, Edwin Louis C. E., 1922, Lehigh University	Md.	503 River Road, Bethesda, Md.
Reynolds, Harold Proper B. O., Valparaiso University	Pa.	1408 Emerson Street
Reynolds, John Bernard Lamberton Normal	Minn.	Y. M. C. A.
Rhodes, Henry Fleming	Ky.	221 Ascot Place, N. E.
Ricketts, Charles William, Jr.	D. C.	1736 F Street
Riddle, Jesse Hale A. B., 1912, Davis and Elkins College; A. M., 1915, Princeton University	Va.	2006 Columbia Road
Ringle, David, Jr. George Washington University	D. C.	2032 Eye Street
†Ristig, William Bradford	D. C.	1216 G Street, N. E.
Robinson, Carl Webster B. S., Colby College	N. H.	1329 Belmont Street
Robinson, Franklin Davis	Mo.	Apt. 112 East, Clifton Terrace
*Robinson, Zan University of Kentucky; Centre College	Ky.	1337 L Street
Robison, John DaCosta Pennsylvania State College	Pa.	3320 16th Street
Rogers, John Henderson Lincoln Memorial University	Tenn.	1332 Eye Street, Apartment 77
†Rose, Helen A. B., 1918, Vassar College	D. C.	1229 N Street
†Rosenbusch, William Traugott Georgetown University; George Washington University	D. C.	3336 P Street
Rossman, Richard A. B., Cornell University	Iowa	Care War Finance Corporation, Southern Building
Roush, Robert Sanderson	Ohio	508 19th Street
Rubin, Myer Jacob	Mass.	LaFayette Apartments, 1607 7th Street, Apartment 8
Russell, Ina Dillard Lucy Cobb Institute	Ga.	1819 G Street
Ruth, Grace Mae	Del.	Government Hotels, Bldg. X-Y
†Salwitz, Harry Catholic University	Conn.	611 Eye Street
Saunders, Benjamin Harrison Indiana University	Ky.	Benedick Apartments
Schneider, John Thomas A. B., University of the South	Tenn.	804 17th Street
Schroyer, Thomas Lawson	Md.	1024 17th Street
Schwalm, Harry Reilley Temple University	Pa.	815 K Street, N. E.
Schwartzman, William	Conn.	1872 California Street
†Schwinn, Gordon Gaddess	D. C.	1731 Columbia Road
†Schwoyer, John B. C. E., 1917, Lehigh University	Pa.	1923 K Street
*Scott, George Washington	Pa.	4016 Illinois Avenue
Scratchley, George	N. Y.	3711 Huntington Street
Seudder, Dilver Kentucky State University	Ky.	Apartment 33, 2100 N Street
*Sharitz, Rupert Othello A. B., 1922, Emory and Henry College	Va.	1312 N Street
Sharon, Jack M. New York University	N. Y.	1739 F Street
Shaw, John Arthur	R. I.	U. S. Coast Guard, 14th and E Streets

FIRST YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Shepard, Charles C. E., 1922, Rensselaer Polytechnic Institute	Wash.	Apartment 303, The Marne, 2416 13th Street
†Shepard, Philip Willard B. S. in C. E., 1915, Catholic University of America; M. S., 1917, University of Michigan	Neb.	230 A Street, S. E.
Sherman, Edmond Meade	Va.	Portland Hotel
Shoenhofer, Edward Joseph State Normal School, Kansas	Kans.	1633 Hobart Street
Silaby, Forbes C. E., 1922, Lehigh University	D. C.	71 You Street
Silverman, Joseph Melvin	D. C.	1212 Union Street, S. W.
†Simmons, Benjamin Taylor Graduate, 1895, U. S. Military Academy	D. C.	2400 16th Street
Sims, Dallas Aubrey	Miss.	1736 G Street
Slanker, Frederick Knight A. B., 1921, University of Maryland	D. C.	1417 Park Road,
Slecht, Marie	Iowa	1804 G Street
Sloan, Nathaniel Crawford Johns Hopkins University; George Washington University	D. C.	4314 15th Street
Smith, Ardis Adela George Washington University	Iowa	1320 15th Street
Smith, Chester Carl	Pa.	Y. M. C. A.
Smith, Hassel Bliss	Ill.	221 E Street, S. E.
*Smith, Howard Jerome	D. C.	1813 Columbia Road
Smith, Kenneth Ginn University of Michigan; Ohio State University	Ohio	1368 Columbia Road,
Smith, Martha V.	Ill.	58 S Street
†Smith, Melvin Paul George Washington University	Ill.	1412 Perry Place
Smith, Robert Palmer	D. C.	1405 Gerard Street
Soelberg, Earl James Lewiston State Normal School of Idaho; Brigham Young University	Idaho	R. No. 1, Benning, D. C.
Solomon, Samuel Joseph	D. C.	413 R Street
Soriano, Candido S.	Ph. Is.	1918 H Street
Spaulding, Augusta de L. A. B., 1912, A. M., 1913, University of California	D. C.	Apt. 418, The Maycroft, 15th and Columbia Road
†Spintman, Samuel Johns Hopkins University	Md.	U. S. Patent Office
Stanton, Oscar David A. B., Denver University; B. S., Colorado Agricultural College	D. C.	2120 G Street
*Stark, John Edwin A. B., 1916, University of Illinois	Ga.	1008 N Street
†Steed, Hubert Lee George Washington University	W. Va.	1734 K Street
Stewart, Robert Murray	Utah	1483 Newton Street
Stickney, Harry	D. C.	1465 Columbia Road
Stirrat, John Clarence	Idaho	Apt. 11, The Senate, 115 2d St., N. E.
Stonebraker, Florence English George Washington University	D. C.	3433 Oakwood Terrace
*Stutz, Frederick Harold Denison University	Ohio	3320 16th Street
†Styer, Martin Ralph	Pa.	Kensington, Md.
Sullivan, Regina Theresa Trinity College	D. C.	2618 Woodley Place
Sutton, Rob University of Oklahoma	Okla.	Apt. 309, 2112 F Street
Sweeney, Mary Theresa	N. Y.	1715 North Capitol Street
†Swingle, Louis Morgan	D. C.	1408 8th Street
†Tagliatela, Pasquale	D. C.	1122 5th Street
Tanenbaum, Louis David	Tenn.	433 M Street
Tanner, LaRue Elton	Va.	Rt. No. 1, Box 291, Rosslyn, Va.
Taylor, Benjamin Franklin, Jr. University of Illinois	Ill.	1436 R Street, Apt. 6
Taylor, Oliver Randolph Lincoln Memorial University	Ky.	131 North Carolina Ave., S. E.

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
†Tepper, Nolan Harris	D. C.	1339 Maryland Ave., N. E.
Terwilliger, Gilbert Wilfred	Minn.	1854 Ontario Place
Tester, John Daniel Horace	Mass.	1335 E. Capitol Street
*Thickstun, William Russell	Ky.	1101 Euclid Street
Georgetown University		
†Thomas, Charles D., Jr.	Ill.	1314 L Street
Bradley Polytechnic Institute		
Thomas, Llewellyn, O.	D. C.	1312 N Street
University of Utah		
Thompson, Franklin	N. C.	1435 K Street
B. S., 1921, University of North Carolina		
*Thompson, Nellie Hoffman	Pa.	3738 Huntington Street, Chevy Chase, D. C.
Wells College		
Todd, Oswald Newton	Pa.	1204 Girard Street
Trammell, Emmie Adrian	Ga.	1108 L Street
State Normal, Georgia; University of Georgia		
Transue, Rollin Howard	Pa.	1337 Connecticut Avenue
Transue, Russell Levi	Pa.	1337 Connecticut Avenue
Trenholm, D. Gerald Lee	S. Dak.	1734 K Street
George Washington University		
Trimbel, Gerald Roark	D. C.	1501 16th Street
George Washington University		
Taylor, Edward Scott	D. C.	2000 H Street
University of Virginia; Columbia University		
Tysinger, Charles Harris	N. C.	1310 L Street
Wake Forest College; George Washington University		
†Unger, Carl Harry	Pa.	1813 Columbia Road
Unmacht, George Frederick	Ill.	1424 44th Street
Vetterli, Reed Ernest	D. C.	1330 Vermont Avenue
*Vilsack, Howard Augustine, Jr.	Pa.	1320 21st Street
†Wagner, Edward Burnax	N. Y.	Brentwood, Md.
Walker, Clarence Melville	Va.	1810 Connecticut Avenue
University of Virginia; George Washington University		
Wallerstedt, Hjalmar Aul	Kans.	1012 Prince St., Alexandria, Va.
Walsh, Joseph A.	Pa.	515 14th Street
†Warden, Raymond C.	W. Va.	925 8th Street
†Wardwell, Sidney L.	N. Dak.	1416 R Street
University of North Dakota		
Warlick, Mary Esther	D. C.	837 Whittier Place
George Washington University		
*Warren, Earle Lester	D. C.	2029 Connecticut Avenue
University of Virginia		
*†Wells, Francis	Ind.	
University of Indiana		
*†Wheat, James W.	Kans.	1435 Que Street
White, George C.	N. Y.	Clarendon, Va.
Whitfield, Elizabeth Fitzhugh	D. C.	611 12th Street, N. E.
George Washington University		
Whitmore, Harold Birnie	Mass.	U. S. Patent Office
B. S. in E. E., 1921, Worcester Polytechnic Institute		
†Williams, Fred Calvin	Colo.	1107 P Street
University of Kansas		
Williams, Lewis Standing	Pa.	1624 Monroe Street
†Williams, Milton L.	D. C.	1733 N Street
George Washington University		
†Willis, Eli Dewitt	D. C.	2501 14th Street
Texas Christian University; University of Texas		
Wilson, Genevieve Jemail	D. C.	The Cumberland Apt.
George Washington University		
Wilson, Robert Whipple	D. C.	Division 21, Patent Office
Oregon Agricultural College		
Wilson, Theron DeWitt	Tenn.	1426 K Street
Worster, Louise	D. C.	942 B Street, S. W.
A. B., 1915, George Washington University		
Wrenn, John Edwin	Pa.	4 Wells Avenue, N., Hyattsville, Md.
Mt. Vernon College; University of Maryland		

SECOND YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Wright, Burdette Shields	Va.	"Windsor," Mt. Vernon Ave., Alexandria, Va.
B. S. in E. E., 1915, Purdue University	Va.	1301 K Street
*Wright, Carroll	D. C.	Wardman Park Hotel
†Wright, Daniel T., III	Colo.	1312 N Street
Wright, John Baldwin		
George Washington University		
Wright, Kenneth Thomas	Ill.	Apt. 211, Willard Courts
Wyand, Howard LaMar	D. C.	40 S Street
†Wynkoop, Virginia Helen	D. C.	4617 Georgia Avenue
Young, Arthur Nichols	N. J.	3512 35th Street
A. B., 1910, Occidental College; A. M., 1911; Ph. D., 1914, Princeton University		
Yung-Kwai, Burnham	D. C.	3312 Highland Place
A. B., 1919, Yale University	Utah	109 Rhode Island Avenue
Zimmerman, Carl Dressler		

SECOND YEAR CLASS

Abel, Damon Chandler	Va.	1600 Rhode Island Avenue
Acheson, Walter Scott	Utah	1208 D Street, N. E.
University of Utah		
Acin, Morris Morton	D. C.	201 C Street, S.W.
George Washington University		
Allen, Herbert Osbourn	Va.	Newington, Va.
University of Virginia		
Ames, Norman Bruce	D. C.	113 Webster Street
B. S. in E. E., Mississippi Agricultural College; B. S. in E. E., George Washington University; S. B. in E. E., Massachusetts Institute of Technology; S. B. in E. E., Harvard University		
Angevine, Eugene	Mont.	1312 N Street
Ph. C., 1917, University of Montana		
Armstrong, Robert Douglas	Ind.	206 Cavanaugh Courts
A. B., 1915, Indiana University; A. M., 1917, University of Wisconsin		
Ballentine, William Ernest	W. Va.	3633 31st Street, N. E., Mt. Rainier, Md.
West Virginia Wesleyan College	S. Dak.	2525 Ontario Road
Batson, Royal Alonzo		
Southern Illinois State Normal; Iowa State College		
Bauman, Walter Michael	Neb.	734 15th Street
University of Nebraska		
Beall, Thomas Emmert	D. C.	3607 Newark Street
Becker, Wade Montague	Pa.	1733 N Street
George Washington University		
Behne, Thomas Darl	Okla.	1736 G Street
University of Oklahoma		
Benson, Russell Bernard	Md.	2640 Garfield Street
U. S. Naval Academy; George Washington University		
Berger, Edwin Anson	Pa.	1428 R Street, Apartment 26
George Washington University		
*Bernsten, Sarah Edith	D. C.	1360 Madison Street
Bettelheim, Edwin Sumner, Jr.	N. Y.	University Club
Columbia University		
Bibb, John Jay	Va.	217 8th Street, S. W.
University of Virginia; William and Mary College		
Bigelow, May Thorpe	D. C.	The Farnsboro Apartment
A. B., 1919, Vassar College		
Birmingham, Charles Henry	D. C.	1733 N Street
George Washington University		
Blakely, Charles Francis	Neb.	Y. M. C. A.
B. S. in C. E., 1920, George Washington University		
Borden, Granville Spaulding	Pa.	Apartment 46, 1412 Chapin St.
Lehigh University; University of California		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Boscarell, John Jesse Georgetown University	N. J.	1600 Rhode Island Avenue
Boswell, Fred Thomas William Southern Illinois Normal University	Ill.	1719 Eye Street
Bottom, Roswell Yankton College	S. Dak.	3320 16th Street
Bowling, Joseph Raphael B. of E., Tulane University	La.	1627 K Street
*Boyd, Angie Antoinette Georgia Normal and Industrial College	Ga.	1425 21st Street
Brady, Lawrence William Grinnell College	Iowa	1209 K Street
Brown, Agnes Marjorie Iowa State College	Iowa	G-H Bldg., Government Hotels
Brown, Mae Robertson	N. J.	Care Hon. F. R. Lehlbach, House of Representatives
Brown, Merwin Humphrey Brown, Virginia May Hollins College	D. C.	603-606 Otis Building
Buchanan, Douglas Riley B. S., 1920, Massachusetts Institute of Technology	Ala.	The Congressional
Buckner, Robert William A. B., 1917, Fairmount College	Mass.	The University Club
Burns, Jacob Catholic University of America	Kans.	218 Ethan Allen Avenue, Takoma Park, Md.
Burns, James Patrick Montana State College	D. C.	2931 Tilden Street
Burriss, William Floyd	D. C.	U. S. Patent Office
*Burton, George John	Md.	1715 22d Street
Byer, Leslie Conwell B. S. in E. E., 1920 Worcester Polytech- nic Institute	N. Y.	420 Randolph Street
Carle, Herbert McComas George Washington University	Mass.	1405 G Street
Carlson, Arthur Willard	Ohio	1226 N Street
Carter, Charles Angle	Minn.	Room 390, House Office Bldg.
*Carter, William Golden, Jr.	Va.	1600 Rhode Island Avenue
Cates, Ronald Edward George Washington University	D. C.	16 Taylor St., Chevy Chase, Md.
Cavanaugh, Alfred George	Iowa	1733 N Street
Clark, Ben Rollin A. B., 1918, University of Michigan	N. J.	823 Newton Street, N. E.
Clephane, Beatrice Adaline A. B., 1920, Wellesley College	Mich.	534 The Chastleton
Colburn, Joseph Bradley	Md.	Chevy Chase, Md.
Corey, George Holton George Washington University	D. C.	627 Seventh Street, N. E.
Cowley, Matthew University of Utah	Pa.	1511 Lamont Street
Crafts, Clayton Edward Ohio State University	Utah	1812 K Street
Davis, Marshall Dean Mercer University; George Washington University	Ohio	1813 F Street
Des Marais, George Fenelon S. D. in M. E., 1920, Massachusetts Institute of Technology	Ga.	1312 M Street
Deveney, Norman Alfred	Mass.	U. S. Patent Office
Dierkoph, Henry Knefley	Pa.	933 H Street
Donahue, Dorothy A. B., 1919, George Washington University	D. C.	3315 14th Street
Douthitt, Laidley Ellis Centre College	Vt.	The Portland
Dowell, Arthur Edward, Jr. B. S. in E. E., Massachusetts Institute of Technology	Ky.	17 Dupont Circle
Dowell, Benjamin Butterworth	D. C.	3026 Newark Street
Doxtater, Jacob Harrison University of Wisconsin	D. C.	918 Washington Loan and Trust Building
Duckwall, Katherine	Wis.	1520 P Street
	D. C.	1425 Webster Street

SECOND YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Duggan, James Henry University of Georgia; George Washington University	Ga.	1300 Massachusetts Avenue
Dvoulety, Otto	D. C.	1605 Irving Street
Dymond, Hart Manly	Pa.	1321 M Street
Eccles, Parley Price George Washington University	Utah	33 8th Street, N. E.
Eckenroth, Edwin Ruth State College of Pennsylvania; State Normal School	Pa.	1754 Kenyon Street
Eisinger, Rudolph John George Washington University	D. C.	Patent Office
Ferris, Lester Francis	D. C.	638 A Street, S. E.
Finley, Mark Florus, Jr. A. B., 1912, University of Michigan	Mich.	1928 Eye Street
Flaherty, Paul B.	Mass.	1744 Lanier Place,
Frank, Jerome William B. S., 1916, University of Pittsburgh	Pa.	1410 Harvard Street
Frank, Meyer University of Michigan	Mich.	209 E Street
Fraser, Charles Nye, Jr.	Md.	Forest Glen, Md.
Frey, John Charles A. B., 1922, George Washington University	D. C.	Box 603, Y. M. C. A.
Friedman, Harry	Md.	1942 14th Street
Friedman, Wolfe Leon †Fry, Harold Frank A. B., 1922, University of Iowa	Ga.	Y. M. C. A.
Funkhouser, Charles Monroe George Washington University	Iowa	1301 Massachusetts Avenue
Furniss, Robert Melnotte	N. J.	1810 Connecticut Avenue
Glass, John Duell University of Kansas	D. C.	Box 113, Brentwood, Md.
Goley, Lawrence L.	D. C.	1603 Massachusetts Avenue
Graves, Fred Oliver	Ill.	1412 Perry Place
Hamilton, Bonifant B. S., 1918, M. S., 1920, George Washington University	N. Y.	1408 Emerson Street
Hamilton, George Welker	D. C.	3135 24th Street, N. E.
Hamilton, William Greene A. B., University of Arkansas	Pa.	1740 K Street
Hankin, Charlotte Anna A. B., cum laude, 1920, Radcliffe College	Ark.	1758 N Street
Hankin, Grogory College of the City of New York; Harvard University	Md.	1101 Euclid Street
Hanson, Elisha Cornell University	Md.	1101 Euclid Street
Harden, Michael Gregor Polytechnic Institute in Riga; Georgetown University	Ill.	Bethesda, Md.
Harding, Raymond Barton B. S. in E. E., 1920, George Washington University	Pa.	1929 K Street
Harrington, James Philip St. Michael's College, Toronto, Ont.	Va.	625 G Street, S. W.
Harris, Morgan Clayton	N. Y.	1332 Eye Street, Apt. 1
Hartshorn, David Elmer B. S. in C. E., 1917, Worcester Polytechnic Institute	Md.	1810 Connecticut Avenue
Harvey, Robert George University of South Dakota	Conn.	1750 Columbia Road
Haya, Dallas Burford George Washington University	S. Dak.	920 15th Street
Heilbrun, Ruth Adele Held, Everett Whitmore	Mo.	398 House Office Building
Hernandez, Francisco Jose	D. C.	531 Woodward Building
Herrmann, David Cornell University; New York State Teachers College	D. C.	No. 44, The Olympia
Herschman, Harry Kurtz B. S. in C. E., 1921, University of Michigan	Pt. Rico	3602 11th Street
*Hicks, George Dewey University of Alabama	D. C.	1506 Irving Street, N. E.
	D. C.	2101 N Street
	Ala.	Div. 40, U. S. Patent Office

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Hoffman, Dale Elizabeth	Mo.	1819 G Street, Apt. 412
State Teachers College, Mo.		
*Hoover, Arthur Reeve	D. C.	The Highlands
Ph. B., 1921, Yale University		
Howard, Dudley Blanchard	D. C.	1852 Biltmore Street
†Hughes, Donald Dodd	Ohio	603 Clarendon Ave., Clarendon,
B. Sc., 1916, Ohio State University	Va.	
Hughes, Oliver Wendell Holmes	Ohio	1758 N Street
Berea College; Bethany College		
*Hurley, Fitzhugh Lee	D. C.	1603 Massachusetts Ave.
University of North Carolina; George		
Washington University		
*Isaacs, Amanda Ruth	Tenn.	248 Senate Office Building
McLean College		
Jacobsen, Arnold Windom	Va.	3116 19th Street
Graduate, U. S. Naval Academy		
Janes, Dorothy Eloise	N. Y.	814 Connecticut Avenue
Kauffman, Harvey Earl	Pa.	1139 New Hampshire Avenue
A. B., 1920, A. M., 1921, George Wash-		
ington University		
Kemman, Hugo Augustus	Iowa	1719 Eye Street
A. B., 1923, George Washington University		
Kenouski, Alphonse Frank Charles	Pa.	
Pennsylvania State College		
*Kiner, Frank Stanley	Pa.	2466 Ontario Road
King, Adam Stockton	D. C.	1476 Monroe Street
Kneip, George Dewey	Ohio	Apt. 203, 2106 F Street
B. Sc. in Business Administration, Ohio		
State University		
Koster, George Henry	D. C.	1006 E Street, S. W.
Kramer, George	Mass.	2024 15th Street
Georgetown University		
Lambie, Margaret	N. Y.	The Ambassador, 1750 16th St.
A. B., 1907, Vassar College		
Langston, James Argile	Okla.	Y. M. C. A.
Laughlin, Alton Enos	Wyo.	1432 M Street
Laux, David Nicholas	Okla.	1733 N Street
Oklahoma Catholic University		
Lavender, William Davidson	Ala.	1810 K Street
A. B., Virginia Military Institute		
Levy, Denise Janet	D. C.	4521 Ninth Street
Littlehales, James Hill	D. C.	3138 Highland Place, Cleveland
University of Pennsylvania; George		Park
University		
Lohnes, Horace Luther	Ohio	806 H Street
Ohio State University		
Long, Clark Russell	Pa.	704 Randolph Street
Ursinus College		
Loop, Edwin Albert	Ill.	304 House Office Building
University of Montana; Beloit Uni-		
versity		
Louis, Max Colman	D. C.	47 Quincy Place, N. E.
George Washington University		
Loux, Lloyd Fox	Pa.	1103 Vermont Avenue
A. B., 1922, George Washington Uni-		
versity		
*Lovering, George Varnum	Mass.	Interstate Commerce Com.
George Washington University		
Lovett, Eliot Callender	Ill.	1845 Kalorama Road
A. B., 1921, Harvard University		
Lutz, Karl Barr	W. Va.	1808 Ontario Place
A. B., 1920, Bethany College		
Lyman, Charles Adelbert	D. C.	1731 Eye Street
A. B., 1904, University of Wisconsin		
Mack, Prowell Stauffer	N. Y.	1405 G Street
E. E., 1917, Lehigh University		
Macomber, Lumen Howard	D. C.	1624 Lamont Street
University of Chicago		
Makens, Adelaide Servea	D. C.	2631 13th Street
A. B., 1920, Trinity College		
Maritzer, Louis Samuel	D. C.	1720 M Street
Jassi College; Georgetown University		
Markley, Samuel Van Dyke	Ohio	1618 H Street
A. B., 1920, Miami University		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Martin, Veronica Marie Potsdam Normal School	N. Y.	The Sherman
Mehrlich, Walter Ferdinand		
*Miller, Henry Grady A. B., 1910, University of Arkansas	Ind.	2115 P Street
Milwit, Jacob	Ark.	Congress Hall Hotel
Moore, Marguerite Catherine	D. C.	1239 12th Street
Morina, Ferdinando	N. Y.	64 Bates Street
Morris, Sam Arlege	D. C.	Route 1, Bethesda, Md.
*Moul, George Edward University of Chattanooga	D. C.	716 13th Street
Muir, Henry Knight University of Pittsburgh	Pa.	3320 16th St.
Mundo, Arthur Lufkin	D. C.	1615 Webster Street
Munson, George Kibby	D. C.	309 Rock Creek Church Road
A. B., 1914, University of Rochester	N. Y.	624 Maryland Avenue, N. E.
McCloskey, Catherine Eleanor George Washington University	D. C.	Wardman Park Hotel
McElroy, Louin Everett Woodland College; State Agricultural College	Ark.	911 Massachusetts Avenue
McGregor, Arthur	Utah	506 E. Clifton Terrace
McGregor, LeRoy	Ohio	1737 H Street, Bachelor Apts.
*McGrew, Martha Steele A. B., 1920, George Washington Univer- sity	Tenn.	1757 K Street
McHenry, John Geiser, Jr.	Pa.	2520 12th Street
McInnis, Charles Ballard	Ala.	1607 16th Street
McIntyre, Frank Patrick Oregon Agricultural College	Conn.	714 18th Street
McRae, David Ezzell University of Texas	D. C.	226 Adams Street, N. E.
Nelson, Carl Bernhard Luther College	Iowa	1907 H Street
Nixon, Robert Arleigh	Wis.	169 House Office Building
Norcross, Harold Leslie University of California; University of Colorado	Colo.	1523 L Street, Apartment 18
Osmond, Alfred Wendell Utah Agricultural College	Utah	1610 Que Street
Ostrolenk, Samuel Lehigh University	N. Y.	112 Varnum Street
Overstreet, Walter Everett A. B., 1922, George Washington Univer- sity	D. C.	222 East Capitol St.
Paisley, William Addison	Ala.	1734 K Street
Parker, William Merrick	D. C.	1815 Riggs Place
Partridge, Alma Blanche	D. C.	2518 Wisconsin Avenue
Patterson, George Snyder University of Iowa	D. C.	1335 Taylor Street
*Patterson, John Howell, Jr. A. B., 1919, Davidson College	Fla.	3242 19th Street
Perlman, Rebecca A. B., 1921, George Washington Univer- sity	D. C.	608 Louisiana Avenue
Perry, Arthur Calvin University of Texas; George Washington University	Tex.	624 Y. M. C. A.
Phelps, George Horace University of Idaho	Idaho	3034 Cambridge Place
Pickett, Charles	Va.	1361 K Street
Pickett, Fred Bryan Earlham College	Ind.	2543 13th Street
Platt, James Lee, Jr. B. S., 1921, The Citadel	S. C.	1731 1st Street
Pond, Edwin James Colorado College; University of Nebraska	D. C.	1533 Eye Street
Prentice, Melvin Jefferson A. B., Daniel Baker College	Tex.	815 Connecticut Avenue
Price, Chester Franklin	Ala.	3320 16th Street
Pulliam, Robert William University of North Carolina	N. C.	U. S. Dept. of Agriculture

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
*Randolph, Elwood Wesley	Conn.	909 7th Street, S. E.
Ratcliff, Clyde Charles	La.	1758 N Street
Louisiana State University		
Ratcliffe, Sue James	N. Y.	1321 Longfellow Street
Powhatan College		
Rauber, Margaret Elizabeth	N. Y.	2025 Kalorama Road
Reams, Charles Everette, Jr.	Va.	1726 G Street
Reed, Paul Clinton	La.	280 House Office Building
George Washington University		
Reese, William Emmitt	W. Va.	1734 K Street
George Washington University		
Rhodes, Marion Benjamin	Mo.	1312 N Street
A. B., 1922, University of Missouri		
Rick, John Henry	D. C.	1622 30th Street
University of Pennsylvania; Towne Scientific School		
Roach, Jackson King	Mo.	1312 N Street
University of Missouri		
Roby, Hobart	W. Va.	1758 N Street
University of West Virginia		
Rogers, Otho Larkin	D. C.	Y. M. C. A.
Clarke Memorial College; Mississippi College		
Rudolph, Robert Irving	D. C.	3712 Keokuk Street
B. S. in C. E., 1921, Catholic University		
Runge, William Ehardt	Wis.	424 E. Capitol Street
Ripon College		
Russell, Paul Ray	D. C.	1448 Park Road,
Houghton Seminary		
St. John, Charles Edmund	Tenn.	1733 N Street
A. B., 1921, Princeton University		
Sandlin, John Nicholas, Jr.	La.	221 F Street, S. E.
Louisiana State University		
Sanidad, Prospero C.	Phil. Is.	917 12th Street
Philippine University; University of Washington		
Scharfenberg, Raymond Walter	Iowa	1435 Fairmont Street
Scheufler, Edward Lipphardt	Kans.	Y. M. C. A.
A. B., 1922, George Washington University		
Schwartz, Abraham Nathan	D. C.	442 H Street
University of Maryland		
Seaton, Arthur J.	Iowa	82, The Cumberland, Thomas Circle
State University of Iowa		
Shaner, Maurice Painter	Pa.	Y. M. C. A.
Sharp, Alton Byron	Mich.	609 H Street
University of Michigan		
Shaw, Howard Knott	N. J.	1758 N Street
A. B., 1921, George Washington University		
Sheffield, Edgar L.	Idaho	1353 Taylor Street
George Washington University		
Shenberg, Irving	N. J.	1627 Massachusetts Avenue ^e
Sheppard, Norman Bishop	Conn.	3136 24th Street, N. E.
A. B., Yale University		
*Shore, William Cowley	N. Y.	Del Ray, Alexandria, Val.
Hunter College; New York University		
Silva, Pablo Macasaet	Phil. Is.	Apt. 22, 3149 Mt. Pleasant St.
University of the Philippines		
Smith, Finney Bascom	Pa.	4901 16th Street
Graduate, 1915, U. S. Naval Academy		
Smith, Stanley Phillips	Mich.	University Club
A. B., 1917, University of Michigan;		
A. M., 1920, Columbia University		
*Smithwick, William Vereen	Fla.	3721 Livingstone Street
A. B., 1922, George Washington University		
Smyth, Walter Weyler	Conn.	915 16th Street
A. B., 1922, George Washington University		
Soderberg, Milton Alexander	Calif.	1736 G Street
B. S., 1917, University of California		
Somers, Milton Michael	Md.	1302 Fairmont Street
A. B., 1920, Western Maryland College		

THIRD YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Sonfield, George McNeil University of Texas	Texas	2701 Connecticut Avenue
Spoerri, James Fuller A. B., 1922, George Washington University	Ill.	304 House Office Building
Sporrer, Michael Joseph	Mich.	1741 Que Street
Stearns, Orlo Foster George Washington University; Carnegie Institute of Technology	Md.	U. S. Patent Office
*Stetson, Ralph Goss	Maine	1736 G Street
Stevens, James Edelbert George Washington University	Ind.	1734 K Street
Stewart, Ernest Lee Fairmont State Normal School	W. Va.	No. 541, Y. M. C. A.
Stone, Orlando W.	Pa.	2129 18th Street
Stormont, Donald Sutherland George Washington University	D. C.	223 S Street, N. E.
†Strohl, Lee Robert	Penn.	2627 Adams Mill Road, Apt. 31
Stuart, James Edwin A. B., 1921, Emory and Henry College	Va.	1312 N Street
Sullivan, Julia Patricia	Md.	1368 Kenyon Street
*Tabb, Rose Edith	D. C.	1109 Buchanan Street
*Tackwell, Hazel Estella	Kans.	4123 8th Street
Tebbs, Richard Henry, Jr. Virginia Polytechnic Institute; University of Virginia	Va.	1884 Columbia Road
Temin, Henry George Washington University	D. C.	410 5th Street
Thomas, William Joseph Washington and Lee University	D. C.	652 E Street, N. E.
Thorne, Talmadge Milton	Va.	Falls Church, Va.
Tinley, David Palma Emory University	Ga.	540 House Office Building
Tourover, Raphael B. Sc., Engineering, 1920, Northampton Polytechnic Institute	D. C.	637 F Street, S. W.
Tracy, Stanley James George Washington University	Utah	1733 N Street
Turco, Joseph Charles	D. C.	228 2d Street
†Van Veen, Eugene Benjamin	D. C.	730 21st Street
Vollmer, Milton Robert	Va.	1614 Monroe Street, N. E.
Wagner, William Alvin	Pa.	107 Rhode Island Avenue
Wagonseller, Earl Amos George Washington University	Ill.	738 Rock Creek Church Road.
Walsh, John Butler George Washington University; University of Pennsylvania	D. C.	202 East Capitol Street
Walsh, Robert Joseph	Pa.	1448 Rhode Island Avenue
Waring, Paul Edward B. S., University of Pennsylvania	D. C.	1423 Newton Street
†Watson, Samuel McCluer, Jr. Washington University	Mo.	508 19th Street
Weaver, William B. Alabama Polytechnic Institute	Ala.	1819 Belmont Road
Weigester, William Frederick B. S., 1918, Pennsylvania State College	Pa.	1810 Conn. Avenue
Wells, John Whitfield	Ga.	1337 Fairmont Street
Whitson, Edmund Stuart	D. C.	150 R Street, N. E.
Wiles, Walter Erasmus University of North Carolina; George Washington University	N. C.	1620 Massachusetts Avenue
*Wilgus, Filimora Ph. B., 1915, Denison University	Ohio	1746 K Street, Apt. 30
Williams, Ida Gordon	Ohio	Wardman Park Hotel
*Wilson Nathaniel Claiborne	Va.	1448 Rhode Island Avenue
Wolcott, George Milton Noshato Seminary	Wis.	1812 V Street, Apt. 404
Wood, William Nicholas A. B., 1914, Princeton University	Va.	1449 N Street
*Wright, Meador Hampden-Sidney College	Va.	2219 Eye Street
Yardley, Richard	Va.	706 Hurly Wright Building
Yates, Isabel Diffenderfer A. B., 1919, Goucher College	D. C.	1212 Girard Street
Yokum, Otis Monerief	D. C.	1415 Rhode Island Avenue
†Young, Wm. Joseph	N. Y.	3516 9th Street, N. E.
Zaslowski, Walter	Conn.	1212 9th Street

THIRD YEAR

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Altschul, Arthur	Va.	1872 California Street
Anderson, Joseph Nelson	Va.	60 Randolph Place
Anderson, Robert Nelson	Va.	60 Randolph Place
A. B., 1921, George Washington University		
Ashman, John Henry	Wash.	121 11th Street, N. E.
Washington State Normal School; George Washington University		
Atkins, Julia Spencer	N. C.	1356 Newton Street
Audas, Edith Ruth	N. Y.	3444 Mt. Pleasant Street
A. B., 1915, Syracuse University		
Babcock, George Woodman	D. C.	1636 Kenyon Street
Bailey, Elizabeth Margaret	Md.	1844 Columbia Road
A. B., 1919, Vassar College		
Barkman, William Ernest	D. C.	218 8th Street, S. E.
Barnard, Philip Essery	D. C.	1401 21st Street
St. Edmund's College, Ware, England;		
Exeter College, Oxford, England		
Basseches, Jacob Thomas	N. Y.	1814 Riggs Place
A. B., 1920, George Washington University		
Baxter, Horace Monroe	Mass.	1875 California Street
B. S. in E. E., 1917, Massachusetts Institute of Technology		
Beem, Joe Spencer	Va.	Care U. S. Shipping Board
A. B., 1908, University of Iowa		
Behne, Joe Carroll	Okla.	Y. M. C. A.
University of Oklahoma		
Belden, Lillian Catherine	Ohio	1361 Irving Street
Ph. B., 1913, Hiram College		
Bell, Alexander Hamilton, Jr.	D. C.	1726 M Street
Berman, Louis Hyman	D. C.	1240 7th Street
George Washington University		
Bingaman, Clara Merrick	Iowa	1707 Euclid Street
Highland Park College; University of Iowa		
Bird, James Frederick	D. C.	1520 K Street
Maryland State College		
Boudinot, Frank J., Jr.	Okla.	1816 Ingleside Terrace
Bradley, Frederick Moffat	D. C.	1601 28th Street
Breen, Emma B.	Tex.	The Chaumont
Centenary College		
Burdick, Bernard Franklin	Ala.	1310 Belmont Street
University of Chattanooga, Tennessee;		
George Washington University		
Burdick, Robert Cortez	Ala.	1733 N Street
A. B., 1917, University of Chattanooga		
Burris, Evan Weisiger	Tex.	1312 10th Street
Southwestern University		
Butler, George Henry	N. Dak.	1810 Connecticut Avenue
Cain, Clara Janet	Ala.	Apartment 207, Tudor Hall
*Callahan, Mildred Ruberta	Va.	Alexandria, Va.
A. B., 1919, George Washington University		
Callister, Norval Eddington	Utah	3151 Mt. Pleasant Street
Canning, Harold Francis	Maine	1610 Riggs Place
*Carlson, Helen Rembert	Miss.	1734 P Street
A. B., 1913, Mississippi Industrial Institute and College		
Carr, Raymond Leroy	Mass.	3800 14th Street
A. B., 1919, Harvard University		
Carson, Byron Gould	Mass.	P. O. Box 235, Riverdale, Md.
Fitchburg State Normal School		
Cashatt, Ivey Wesley	N. C.	62 E. Walnut Street, N. Rose-
University of N. C.		mont, Alexandria, Va.
Chilton, Wm. E.	Va.	U. S. Patent Office
Virginia Polytechnic Institute		
Chisholm, Theodore Livings	Md.	1755 Columbia Road, Apt. 1
B. E., 1919, Johns Hopkins University		
Cleveland, Washington Irving	Md.	Kensington, Md.
University of Wisconsin		

THIRD YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
*Coe, Conway Peyton		
A. B., 1918, Randolph-Macon College	Md.	3144 17th Street
Council, Charles D.		
University of Pittsburgh	N. C.	1156 15th Street
Cutting, John Herman		
Dahlquist, Scott Anthony	Vt.	2224 F Street
Utah Agricultural College; University of California	Utah	The Chastleton
Daily, Allan Frederick		
Davidove, Emanuel Maurice	Utah	2115 P Street
Carnegie Institute of Technology	D. C.	1133 8th Street
DeGeer, Oliver		
C. E., 1917, Syracuse University	Ohio	1242 12th Street
Degnan, George Aloysius		
B. S. in M. E., 1919, George Washington University	Pa.	1122 5th Street
Delbridge, Carelton John		
Diaz, Benito Daennay	S. Dak.	1313 13th Street
Diedel, Caroline Virginia	Phil. Ia.	617 19th Street
Dodd, Alice Mary	D. C.	1490 Newton Street
Dodd, Esther Elizabeth	N. Y.	1338 Oak Street
*Dolby, Bird Hagen	N. Y.	1338 Oak Street
Duell, Howard Snider	D. C.	Mt. Rainier, Md.
Duggan, Kathleen	N. Dak.	1517 20th Street
Georgia Normal and Industrial College	Ga.	1300 Massachusetts Avenue
Duncan, Grace Marian		
*Dunker, Will Frank	Iowa	1707 Euclid Street, Apt. 2
Dyche, Harry B.	Iowa	1005 The Chaumont
Richmond College; University of Virginia	Va.	Bethesda, Md.
Eastlack, John Earl		
Eden, Fred J.	Iowa	1036 Quebec Street
Hope College	Ill.	1321 Belmont Street
Ellis, George Stoughton		
George Washington University	D. C.	3016 13th Street
Ellis, Lee Elbert		
University of Chattanooga	Ala.	1819 G Street
Engelhart, George Kemp		
Iowa State College	Ill.	3800 14th Street
Erickson, Ferdinand		
University of Utah	D. C.	300 East Capitol Street
Espey, Henry Clay		
Fees, Don Clare	D. C.	51 Adams Street
University of Iowa	Neb.	131 Webster Street
*Fitzgerald, Sylvester Stanton		
A. B., 1917, University of Illinois	Ill.	Y. M. C. A.
Ford, Julia Louise		
George Washington University	D. C.	328 11th Street, N. E.
Foster, Louise Trimble		
A. B., 1918, Millikin University	Mo.	The Avondale, Apt. 26
Fowler, Ralph Starr		
University of Missouri	D. C.	1816 Kenyon Street
Fraser, Francis Lucien		
*Fravel, Robert H.	Md.	Forest Glen, Md.
A. M., 1906, Randolph-Macon College	Va.	1101 13th Street
French, William Thomas		
George Washington University	D. C.	224 Beech St., Clarendon, Va.
Fryer, William Thomas		
A. B., 1922, George Washington University	Md.	1600 Rhode Island Avenue
Gall, John Christian		
The Citadel	S. C.	612 Union Trust Building
Gibson, Jonathan Catlett		
Gorman, Lois Gates	Va.	Edgemoor, Bethesda, Md.
Gray, Alan Egleston	Pa.	1807 California Street
A. B., 1921, University of North Dakota	N. Dak.	1504 Park Road
Greene, Aldie Ross		
A. B., 1910, Albion College	Mich.	Box 64, R. D. No. 2, Alexandria,
Gregg, Alexander White	Va.	The Bachelor Apts.
Austin College; George Washington University	Texas	
Gregory, Harold De Lancey		
M. E., 1920, Stevens Institute of Technology	D. C.	1816 Eye Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Grossman, Herbert Robert A. B., 1921; A. M., 1922, George Washington University	Ky.	929 New Hampshire Avenue
Gulick, George	D. C.	518 Irving Street
Hale, Ralph Cochran George Washington University	Tenn.	The Cumberland, 14th and Massachusetts Avenue
*Harlan, John Graydon University of Pittsburgh	Pa.	3427 Quebec Street
Harrah, Eugene Benjamin University of Pennsylvania	D. C.	1653 Newton Street
Harriman, Henry Osgood Colby College; Northeastern University	Mass.	3810 Alton Place
*Hatcher, James Chandler A. B., 1921, George Washington University	Ala.	647 1/2 G Street, N. E.
Hazell, Joseph William A. B., 1922, George Washington University	D. C.	1515 20th Street
Heflin, Cecil Randolph A. B., 1917, William and Mary College	Va.	1023 15th Street
Henderson, Oliver Vanderbilt University	Miss.	613 Ouray Building
Herr, George Swartz	Pa.	1736 G Street
Highley, Frank Raymond Case School of Applied Science	Ohio	U. S. Patent Office
Holland, Louis Clifford Valparaiso University	Ind.	1304 13th Street
Hollingsworth, Roger P.	D. C.	5614 14th Street
Humphrey, Thomas Kenneth	Minn.	307 Senate Office Building
Hunter, Marie O. Litzelman Mt. St. Mary's Seminary; Pa. State Normal School	Pa.	1354 Monroe Street
Hunter, William Armstrong A. B., 1917, University of Chicago	Idaho	Y. M. C. A.
Jackson, Mamie	Texas	1112 Lamont Street
Jensen, Clarence G. George Washington University	D. C.	1706 F Street
Jordan, Joseph Abner	Ga.	1507 M Street
Jordan, Lucian	W. Va.	5109 Macomb Street
Keats, Harold A. B., 1912, A. M., 1915, George Washington University	D. C.	Washington News
Keiser, Clarence Cyrus George Washington University	Md.	Bethesda, Md.
Kennedy, Edwin Russell, Jr.	D. C.	1753 N Street
Kerr, John Morrison	D. C.	809 K Street, N. E.
King, Chester E. Illinois State Normal University	Ill.	2524 17th Street
Kline, Virgil Claude B. S. in Education, 1917, University of Missouri	Mo.	5502 7th Street
*Lacy, Olive Beatrice	N. J.	1347 Girard Street
*LaFleur, Alexander A. Springfield College; Colby College	Me.	1734 K Street
Lake, Russell Bracket	Mass.	1842 Calvert Street
*Lassen, Earle Charles	D. C.	1212 Park Road,
Lehnert, William	N. H.	Dept. of Interior, Land Office
Leiden, Cyril Edward George Washington University	Pa.	3320 16th Street
Levy, Oscar Isaac B. S., 1914, M. S., 1916, University of Chicago	La.	4521 Ninth Street
Lloyd, William Kenyon U. S. Military Academy; Massachusetts Institute of Technology	D. C.	932 14th Street
*Longstreet, William Carl, Jr. B. S. in Ec., 1919, University of Pennsylvania	N. J.	3320 16th Street
Mack, Carl Theodore E. E., 1917, Lafayette College	Pa.	1208 Decatur Street
Mackall, Francis Sorrel University of Georgia	Ga.	1720 Q Street
Maddox, Virginia Schwab	Va.	322 S. Washington Street, Alexandria, Va.

THIRD YEAR CLASS

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Marshall, Carl A.	Va.	1324 Euclid Street
*Marshall, Robert Wallace	Ky.	1810 Connecticut Avenue
Mason, Laura Belle	Tenn.	The Chaumont, Apt. 704
B. S., 1910, Vanderbilt University	Conn.	1722 Connecticut Avenue
Maxwell, Charles Warren	Va.	647½ G Street, N. E.
Catholic University	Ill.	Mt. Rainier, Md.
Melton, Heath Alexander		
A. B., 1920, Emory and Henry College		
Mericle, Harold Francis		
James Millikin University; Illinois State		
Normal University; George Washing-		
ton University		
Miles, Raymond Andrews	N. Y.	1405 G Street
B. S. in E. E., 1915, Ohio State Uni-		
versity		
Miller, Elvie Earl	Tex.	1405 North Capitol Street
Miller, Walter Ferdinand	Pa.	1312 N Street
Monroe, Paul Eugene	N. C.	1412 15th Street
A. B., 1916, Newberry College		
Moore, John Henderson	D. C.	The Wyoming, Apt. 209
George Washington University		
Moore, Raymond Lester	Pa.	1734 K Street
University of Pennsylvania		
Morrissey, Edward Martin	Utah	1334 19th Street
Myers, Frank Hammett	D. C.	3754 McKinley Street
George Washington University		
Myres, Eustis	Tex.	1733 N Street
Rice Institute		
McCarthy, Walter Turpin	Va.	Cherrydale, Va.
McCaslin, Walter Wood	Va.	2501 Pennsylvania Avenue
William and Mary College		
McClure, John Elmer	W. Va.	Apr. 513, Clifton Terrace, West
University of Chicago		
McMurray, Paul Hayden	Tex.	1322 Massachusetts Avenue
Simmons College		
McPherson, Joe Francis	Mo.	The Colorado
George Washington University		
Nelson, Gustaf Arthur	Minn.	Apartment 26, 318th Street, S.E.
Nichols, Samuel Cryslar, Jr.	N. Y.	1324 10th Street
Nicholson, Blake Edwin	D. C.	1750 M Street
University of West Virginia		
Nutt, Rolland Lee	Ill.	1018 Munsey Building
Ober, George Clarke, Jr.	D. C.	125 B Street, S. E.
Johns Hopkins University; George Wash-		
ington University		
Page, Hardy Barcalow	D. C.	The Ontario
Graduate, 1913, U. S. Naval Academy		
Parker, Albert Benjamin	Va.	2501 Pennsylvania Ave., Apt. 4
University of Virginia		
Parkinson, Kenneth Nuttall	Idaho	1610 Que Street
A. B., 1915, Brigham Young University		
Perlman, Milton Morton	D. C.	608 Louisiana Avenue
University of Pennsylvania		
Peterman, James Cuyler	La.	505 Clifton Terrace, East
U. S. Military Academy; Tulane Univer-		
sity		
Potter, Ferry Bryan	Va.	1023 15th Street
Washington and Lee University		
Ptak, Vaclar James	Ark.	1618 H Street
A. B., 1920, University of Arkansas		
*Reese, Francis Sydney	Md.	1738 N Street
Reid, Don C.	Iowa	1719 Eye Street
University of Iowa; George Washington		
University		
Reid, Neil Evart	N. Dak.	620 C Street, N. E.
Reiff, Joseph Slingluff, Jr.	D. C.	2526 L Street
Robinson, Albert Franklin	D. C.	Division 45, U. S. Patent Office
A. B., 1919, Colby College		
Robinson, Emory	Mass.	1719 Eye Street
Northeastern College		
Robinson, Stephen Boatwell	D. C.	Navy Department
Graduate, 1912, U. S. Naval Academy		

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Roche, Leo Henry A. B., 1923, George Washington University	Conn.	1724 T Street
Rogers, William Addison, II Rensselaer Polytechnic Institute	D. C.	1406 S Street
Rowley, Frank Smithies University of Michigan	Wis.	1410 Delafield Place
*Russell, Frank Edmund Alabama Presbyterian College	D. C.	1736 G Street
*Sandoe, Nichol Main B. S., 1919, Dartmouth College	D. C.	1446 Fairmont Street
Schaffer, John Leinbach Graduate, 1908, U. S. Naval Academy	D. C.	Army and Navy Club
Schmidt, Harvey William Scolnick, Joseph Mendelsohn University of Virginia	Tex. D. C.	Office of Sec'y of U. S. Senate 1501 16th Street
Seydel, Harry Maurice University of Iowa	Iowa	1315 Belmont Street
Shaikewitz, Rose Sylvia Shanholtzer, James Clinton Shepherd College	Va. W. Va.	5521 Potomac Avenue 2030 G Street
Sherman, David Louis Shoop, James Harper P. D., 1917, Phila. College of Pharmacy	N. Y. Pa.	112 Varnum Street 1227 15th Street
Shrader, Perry William University of Kansas	Kans.	1829 California Street
Simmons, Rush Nelson George Washington University	Minn.	1216 Gallatin Street
Simmons, Verne Phil University of Missouri	Mo.	1810 Connecticut Avenue
Sledd, Susie Marion Farmville Normal School	Va.	1104 Vermont Avenue
Smith, Edward Rollie *Smith, Talma L. A. B., 1918, George Washington University	Ky. Tex.	25 Rhode Island Avenue 3712 Brandywine Street
Snyder, Ross H.	Ill.	1719 Eye Street
Springston, George Baillie A. B., 1921, George Washington University	Ill.	1758 N Street
Steely, Maye Alabama State Normal School	Ala.	The Burlington
Stephens, Ernest Wright A. B., 1922, George Washington University	S. Dak.	3320 16th Street
Stewart, Ralph Berry B. S., 1915, Clemson College; M. E., 1917, Cornell University	S. C.	1802 R Street
*Stoltz, Authwin Valparaiso University	Ill.	1410 C Street, N. E.
Strayer, Amanda Zella Stryker, Daniel Ph. B., 1916, Yale University	Ohio N. Y.	4014 14th Street Room 1019, Washington Loan and Trust Building
Talbot, Esker Wayne A. B., 1921, West Virginia University	W. Va.	1409 K Street
Taylor, Beloit Southern Methodist University; University of Arkansas	Ark.	1409 K Street
Taylor, Preston Phillips A. B., 1915, William and Mary College	Va.	1600 Rhode Island Avenue
Thompson, Glenn M. Totah, Selim A. B., 1916, Earlham College	Ind. N. Y.	Roslyn, Va. 2518 17th Street
Trout, George Alexander A. B., 1915, University of Denver	Colo.	Room 537, Y. M. C. A.
Wainwright, Charles Edward Bucknell University; Columbia University	Va.	Hotel Gordon
Wallace, Pauline Goldie Walter, Arthur Henry George Washington University	D. C. Ky.	Tudor Hall, Apartment 207 1507 M Street
Watkins, James Blaine University of Kentucky	Ky.	1910 G Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Watzman, Percy George Washington University	D. C.	25 Eye Street, N. E.
Weisbrod, Max	N. Y.	Commercial National Bank Bldg.
Wheeler, Dan Hubert	Mass.	1312 N Street
White, Robert Emerson University of Kentucky	S. C.	1910 G Street
*Whitehurst, Herschel Smith Georgia School of Technology; Meridian Male College	Ga.	3812 Fulton Street
Wilder, William Franklin George Washington University	D. C.	1523 22d Street
Wilhelm, Harold Frederick E. E., 1918, Rensselaer Polytechnic In- stitute	N. Y.	Division 48, U. S. Patent Office
Williams, Ernest Francis Lafayette College; University of Mich- igan; George Washington University	D. C.	1235 Madison Street
Wilson, John Barnette George Washington University	La.	Sherman Apts., 15th and L Sts.
Winter, Bailey University of California	Tex.	2518 17th Street
Wiseheart, Raymond Frederick	Ill.	1726 M Street
Wright, Emma DuBois	Pa.	1806 Vernon Street
Wright, Joseph Douglas Colorado College	Colo.	1926 17th Street
Wright, Stanley Robert Colorado College; University of Minne- sota	Minn.	1312 N Street
Yale, Miles A.	Conn.	3719 Keokuk Street
Young, Glenn Olen University of Missouri	Mo.	106 15th Street, N. E.
*Young, Willis Harold	Minn.	East Falls Church, Va.

CANDIDATES FOR DEGREE OF MASTER OF LAWS

Anderton, Robert Hyde B. S., 1916, Dartmouth College; C. E., 1917, Thayer School of Engineering; LL. B., 1922, George Washington Uni- versity	R. I.	1810 California Street
Anthony, Jesse LL. B., 1922, George Washington Uni- versity	Ga.	7 Iowa Circle, Apt. 22
Baughman, Thomas Frank George Washington University; LL. B., 1922, George Washington University	D. C.	3731 Northampton Street, Chevy Chase
Beecher, Edward Alfred Vanderbilt University; University of Mississippi; Columbia University; LL. B., 1920, University of Tennessee	Tenn.	1156 15th Street
Bladen, Ashby Edward George Washington University; LL. B., 1922, George Washington University	Va.	Alexandria, Va.
Borden, Marion Holliday Illinois State Normal University; LL. B., 1922, George Washington University	Ill.	1412 Chapin Street, Apt. 46
†Breen, Emma B. Centenary College; LL. B., Feb. 1923, George Washington University	Tex.	The Chaumont
Casiano, Angel Pecson University of Southern California; LL. B., 1922, University of Southern California	Phil. Is.	617 19th Street
†Connelly, Mary M. LL. B., 1922, George Washington Uni- versity	N. Y.	1819 G Street
†Davidove, Emanuel Maurice Carnegie Institute of Technology; LL. B., Feb. 1923, George Washington University	D. C.	1133 8th Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Eddy, Grace Marie George Washington University; LL. B., 1920, George Washington University	Wis. V-W Bldg.	Govt. Hotels
*Edwards, John James Maryville College; LL. B., 1922, George Washington University	Tenn.	502 Clifton Terrace, South
Fogle, Charles Dent Ohio University; LL. B., 1922, George Washington University	Ohio	1429 C Street, N. E.
Forbes, William Henry L. B., 1922, George Washington University	Mass.	1440 R Street
Frailey, Thomas Joseph A. B., 1915, A. M., 1917, Mount St. Mary's College; A. M., 1919, Dickinson College; LL. B., 1919, Dickinson Law School	D. C.	915 16th Street
†Gall, John Christian The Citadel; LL. B., Feb. 1923, George Washington University	S. C.	612 Union Trust Building
†Gibson, Jonathan Catlett LL. B., Feb. 1923, George Washington University	Va.	Edgemoor, Bethesda, Md.
†Gorman, Lois Gates LL. B., Feb. 1923, George Washington University	Pa.	1807 California Street
Green, Thomas Henry LL. B., 1915, Boston University	Md.	Room 193, State, War and Navy Building
*Hardy, Franklin Earl Union College; LL. B., 1922, George Washington University	N. Y.	1719 Eye Street
Hartman, Joe University of Chicago; LL. B., 1922, George Washington University	Ohio	1634 Riggs Place
Hostettler, Binas LL. B., 1922, George Washington University	Ind.	1725 17th Street, Apt. 111
*Hunt, Warren Hansell LL. B., 1922, George Washington University	D. C.	2305 18th Street
†Hunter, William Armstrong A. B., 1917, University of Chicago; LL. B., Feb. 1923, George Washington University	Idaho	Y. M. C. A.
Jenkins, Ben LL. B., 1922, George Washington University	Ill.	424 Kenyon Street
Keefer, Arthur Charles LL. B., 1922, George Washington University	Md.	Fendall Building
Knock, Franklin George Washington University; LL. B., 1922, George Washington University	D. C.	Apt. 2, 1440 Meridian Place
*Lane, Munson Harmon B. S., 1918, Princeton University; LL. B., 1922, George Washington University	Va.	506 Victor Building
Lee, Ednah McKinley LL. B., 1922, George Washington University	D. C.	1401 Fairmont Street
*Lucal, Ira David George Washington University; LL. B., 1922, George Washington University	Ohio	1479 Monroe Street
Magathan, Wallace Clifton A. B., 1914, University of Kansas; LL. B., 1922, George Washington University	Kans.	24 Denwood Avenue, Takoma Park, D. C.
Meadow, Hilda Wesleyan College; LL. B., 1922, George Washington University	Ga.	1409 K Street

MASTER DEGREE GRADUATES

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NAME	LEGAL RESIDENCE	LOCAL ADDRESS
McClean, Cyril Wesley A. B., 1915, University of California; LL. B., 1922, George Washington University	Calif.	Department of Justice
McCoy, Philbrick North Carolina State College; LL. B., 1922, George Washington University	D. C.	The Ontario
McIntosh, Samuel Wallace LL. B., 1922, George Washington Uni- versity	D. C.	128 C Street, N. E., Apt. 32
*McLaughlin, Anna Gertrude LL. B., 1922, George Washington Uni- versity	Wyo.	308 F Street
O'Brien, Matthew Houston A. B., 1916, Wesleyan University; LL. B., 1922, George Washington Uni- versity	D. C.	1229 Euclid Street
Piepglass, Charles Spurgeon University of Oklahoma; LL. B., 1922, George Washington University	Okla.	1320 New York Avenue
Raine, Wendell Phillips B. S. in E. E., 1907, M. A., 1911, Uni- versity of Pennsylvania; LL. B., 1922, George Washington University	Pa.	1731 S Street
Raymond, Mary Jane LL. B., 1920, George Washington Uni- versity	D. C.	1224 Euclid Street
Ring, Freda George Washington University; LL. B., 1921, George Washington University	D. C.	5521 Potomac Avenue
Shaw, Randolph Codman Washington and Lee University; LL. B., 1915, George Washington University	D. C.	1419 R Street
Taggart, Etta Louise LL. B., 1921, George Washington Uni- versity	D. C.	1758 Park Road
Turner, Bolon Bailey A. B., 1922, George Washington Univer- sity; LL. B., 1922, George Washington University	Ark.	1312 N Street
Wedvig, Peter University of California; LL. B., 1918, Hastings College of Law	D. C.	101 Leumass Apts., 1201 Que St.
Willis, Warren Jennison Graduate, 1912, U. S. Naval Academy; A. B., 1918, George Washington Uni- versity; LL. B., 1922, George Wash- ington University	Minn.	2221 35th Place
*Wood, John Williamson George Washington University; LL. B., 1922, George Washington University	D. C.	2636 Garfield Street
Woodson, Fred Lee LL. B., 1921, George Washington Uni- versity	Mo.	1858 Columbia Road

SPECIAL STUDENTS

Abraham, Herbert	Okla.	1313 Massachusetts Avenue
*Abrams, Walter Scott	D. C.	Wardman Park Hotel
*Allman, John Bradie	Va.	1017 15th Street
Barber, Nelle	Mass.	331 Senate Office Building
Barnes, Henry Charles, II	Mich.	170 Uhland Terrace, N. E.
Bauer, Emma Barbara University of Pennsylvania; George Wash- ington University	Pa.	Government Hotels, A-B
Beavers, Patrick Dalridge	D. C.	1327 Gallatin Street
Billings, George Wilshire	N. Y.	1376 Taylor Street
Bolinger, Walter Allen A. B., 1907, University of Arkansas	D. C.	317 Union Trust Building
Bonnin, Raymond T.	D. C.	1830 California Street
*Bowen, Edison	N. J.	807 18th Street

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
*Brubaker, Leon Benjamin	Ohio	
*†Bryant, Charles Dudley	Mass.	3825 14th Street
Buchheister, George Gustav, Jr.		
University of Maryland	Md.	1733 N Street
Butterworth, Samuel Hughes	Va.	East Falls Church, Va.
*Carson, William Joseph	Ga.	1801 K Street
B. S., 1921, University of Georgia; M. A., 1922, Columbia University		
*Case, William Bennett	Colo.	3320 16th Street
E. M., 1920, Colorado School of Mines		
*Chandler, John R.	D. C.	1628 Argonne Terrace
*Chirieleison, Frank	D. C.	1760 Euclid Street
Georgetown University		
Churbuck, Lewis Marshall	Mass.	1758 N Street
Georgetown College		
*Clark, Waldo Appleton	D. C.	1778 Lanier Place
A. B., 1922, George Washington University		
*Coe, Lowry Nadal	D. C.	Victoria Apts., 14th and Clifton Streets
†Cooper, Reed Raymond	Ohio	1330 Massachusetts Ave, Apt. 43
*†Coulter, Forrester A.	Mass.	1420 N Street
Coyle, Paul Albert	N. Y.	1138 12th Street
Cromwell, James Oliver	Ga.	1725 17th Street, Apt. 316
*Cross, Frederick Sylvester	W. Va.	1758 N Street
Massachusetts Institute of Technology; George Washington University		
*Cunningham, John Benjamin	D. C.	Department of Justice
Cupp, Walter Roberts	Idaho	2120 Connecticut Avenue
Dillon, Clare	Md.	The Portner, 261, 15th and V Sts.
Dinkins, Clarence McQueen	S. C.	2647 Connecticut Avenue
University of Virginia		
*Eisenhardt, S. Helen	Mich.	1523 L Street
George Washington University		
Evans, Merlin Maddox	D. C.	4806 14th Street
Fallon, Pascal Donald	N. Y.	1311 N Street
†Flanagan, Sherman Edward	Md.	Bennings Station, D. C.
Pennsylvania State College; Maryland State College		
Flanery, William Herbert	Ky.	325 1st Street, S. E.
†Flynn, James Ashby	D. C.	1105 Maryland Avenue, N. E.
*Francis, Nicholas James	Va.	1840 Biltmore St.
University of Virginia		
*General, Luis de la Fuente	P. I.	1300 Massachusetts Avenue
Escuela de Leyes		
Gripp, James Coburn	D. C.	1832 Lamont Street
†Gusach, Arthur	D. C.	1601 6th Street
*Gutheim, August G.	D. C.	3215 19th Street
*Haan, Albert Edward	Md.	Garrett Park, Md.
†Hanley, Michael D.	Va.	922 14th Street
Pennsylvania State College		
Hansen, Joseph Benjamin	Ill.	3618 10th Street
Hebb, Lawson Ellis	Ala.	1412 Newton Street
†Heilman, William Blair	Pa.	Y. M. C. A.
A. B., 1922, Haverford College		
Hicks, Frederick Thomas	N. Dak.	1812 3d Street, N. E.
B. S. in E. E., 1920, University of North Dakota		
Hillix, Albert Ficklin	Mo.	1736 G Street
A. B., 1920, Missouri University		
Hipp, John George	Ohio	1009 Rhode Island Avenue
Hitt, Moultrie	Ga.	1657 31st Street
†Honey, Willard H.	D. C.	137 Kentucky Avenue, S. E.
Hovey, Clarence Earl	Kans.	1531 Vermont Avenue
Junior College		
†Hunter, Marie H.	Minn.	503 House Office Building
Hyde, Eugene Willard	Tenn.	3320 16th Street
Cumberland University; Washington and Lee University		
Ingles, Nelle Louise	Ill.	E-F Bldg., Government Hotels
Ph. B., Greenville, Ill., College; A. M., Uni- versity of Illinois		
Janis, Madeline Guittard	Mo.	908 14th Street, Apt. 6

NAME	LEGAL RESIDENCE	LOCAL ADDRESS
Johnson, Marcus Lowell Illinois State Normal University; Illinois Wesleyan University	Ill. 1500 Vermont Avenue.	
†Jones, Ralph D.	D. C.	1841 Kilborne Place
Kato, Kitaro Tokyo School of Foreign Languages	Japan	1310 N Street
*King, Eldon Paul U. S. Military Academy	Oregon	The Farragut Apartments
Klopsch, Otto Zwicker B. S., in Metallurgy, Case School of Applied Science	Ohio	3250 Highland Place
Larson, John Emil George Washington University	Me.	1842 Calvert Street
*Lea, Elizabeth Overton	D. C.	1824 23d Street
Lee, Richard Henry	Va.	1600 Rhode Island Avenue
Leek, Nathaniel L. Ch. E., 1920, Rensselaer Polytechnic Institute	N. Y.	Room 116, Patent Office
*Lindner, Edward Thomas	Alaska	1440 Meridian Place
†Logan, Clarence Z. A. B., 1916, University of Oklahoma	Tex.	1515 16th Street
Lusby, Charles E. George Washington University	D. C.	1314 30th Street
†Maw, Marylene Brigham Young University	Utah	1319 Park Road, Apt. 101
*Mersch, Victor Sylvester Notre Dame University	Ind.	3600 13th Street
Middlebrook, Cecilia Alena George Washington University	Tex.	L-M Bldg, Government Hotels
Miller, George Martin Southern Illinois State Normal University	D. C.	332 E Street
†Mochizuki, Shizuka	Japan	1310 N Street
*Mooney, John Joseph	D. C.	3663 New Hampshire Avenue
*Morss, Alva Patricia A. B., Wellesley College	N. J.	Apt. 716, The Wyoming
Muse, John William	D. C.	305 D Street
McCarthy, Michael Daniel	N. Y.	1106 13th Street
McConville, Donald Hingley	Ohio	2100 N Street
*Neumaier, Martin Allan C. E., 1916, Cornell University	N. Y.	Colonial Hotel
O'Brien, Francis P.	Md.	1332 Eye Street
*Odum, William Henry Wake Forest College; LL. B., 1922, Mercer University	Ga.	1301 K Street
*Phifer, Eugene Hines	D. C.	1927 Summit Place, N. E.
*Powell, Hiram Chiles Mississippi A. & M. College; University of Alabama	Miss.	708 19th Street
Quinn, Robert Montgomery Morningside College; University of South Dakota	Iowa	House Office Building
*Reading, Joseph Gassaway B. S. in E. E., 1921, University of Maryland	Md.	Room 217, Treasury Bldg.
Reed, Stacy Mark	D. C.	710 8th Street
Reynolds, George B. B. S., The Citadel	D. C.	Marine Barracks, 8th and Eye Streets, S. E.
Reynolds, William Herbert Graduate, 1897, U. S. Naval Academy	D. C.	2230 Que Street
Rhodes, Thomas Everett	D. C.	1719 G Street
*Rice, Claude Alvin	Ill.	3122 18th Street
Riggs, Louise	D. C.	Woodside, Md.
Rivera, Emilio Santiago	Phil. Is.	1410 M Street, Apt. 505
†Rivise, Charles Weyman B. S. in C. E., 1922, University of Pennsylvania	Pa.	519 6th Street
Robinson, Lee Morgan	Md.	Hadleigh Apartments
†Rotzler, Wm. M. George Washington University	Utah	2107 N Street
Rue, Matthew Lawrence	Md.	Apt. 508, East Clifton Terrace
Saulsbury, Annie Miles Ph. B., 1897, Dickinson College	Del.	Somerset Apts., 16th and S Sts.
*Saunders, Gordon Hoover	D. C.	426 8th Street, N. E.
†Schwartz, Henry A. B. Temple University	Pa.	1632 17th Street

- Shamel, Charles H.
B. S., 1890, M. S., 1891, University of Illinois; LL. B., 1893, University of Michigan; A. M., 1905, Ph. D., 1907, Columbia University
- Shaw, Franklin P.
- Stam, Colin Ferguson
- Stimpson, George William
Valparaiso University
- Strauss, Harold
- Sullivan, Mark Twain
- *Swale, Albert Roy
Upper Iowa University
- *Swindler, Charles Patrick
A. B., 1916, University of Colorado; LL. B., 1919, LL. M., 1922, George Washington University
- *Taylor, James Spear
A. B., 1919, Howard College
- Taylor, Leighton C.
- Thompson, Claude Alexander
- Turner, Emma King
- *Vandermark, Marguerett
- *Van Natter, Francis Marion
A. B., in Sc., University of Illinois
- †Ventenilla, Juan
University of Illinois; University of Wisconsin
- Ventura, Mario
- *Vickrey, Marguerite June
Kansas University
- *von Ahn, Henry Lorens
- *Wall, Blanche Evelyn
- *Welliver, Edward Morrison
Johns Hopkins University
- *Williams, Mary Belle
- *Winfield, Kenneth Joseph
- Ill. 802 Massachusetts Ave., N. E.
- Ky. Judge Advocate General's Office
Md. 3202 19th Street
D. C. 1205 K Street
- D. C. 916 G Street
- Idaho 1433 Rhode Island Avenue
- Iowa 306 5th Street, S. E.
- Colo. 1719 Eye Street
- N. Y. 2315 Tracy Place
- Pa. 207 East Capitol Street
Va. Apt. 2, 1321 Belmont Street
Kans. 1223 Vermont Avenue
Pa. The Chaumont
Ind. 921 New Hampshire Avenue
- Ph. Is. 617 19th Street
- Md. 1829 California St., Apt. 33
Kans. 1327 16th Street
- Va. Box 82, Fort Myer Heights, Va.
D. C. 1229 Connecticut Avenue
Md. Kenesaw Apartments
- Ark. 205 Chatham Courts, 173
Columbia Road
D. C. 1227 15th Street

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama.....	36	Tennessee.....	45
Arizona.....	7	Texas.....	60
Arkansas.....	23	Utah.....	33
California.....	38	Vermont.....	10
Colorado.....	25	Virginia.....	341
Connecticut.....	36	Washington.....	14
Delaware.....	9	West Virginia.....	56
Florida.....	15	Wisconsin.....	36
Georgia.....	53	Wyoming.....	5
Idaho.....	14	District of Columbia.....	2,092
Illinois.....	123	Alaska.....	1
Indiana.....	100	Canada.....	7
Iowa.....	87	China.....	3
Kansas.....	39	Cuba.....	1
Kentucky.....	63	Czecho-Slovakia.....	1
Louisiana.....	16	Denmark.....	3
Maine.....	16	Dominican Republic.....	1
Maryland.....	246	Egypt.....	4
Massachusetts.....	104	England.....	1
Michigan.....	53	France.....	2
Minnesota.....	43	Germany.....	1
Mississippi.....	38	Hawaii.....	2
Missouri.....	75	Honduras.....	1
Montana.....	3	Hungary.....	1
Nebraska.....	21	Ireland.....	1
Nevada.....	3	Italy.....	1
New Hampshire.....	20	Jamaica.....	1
New Jersey.....	85	Japan.....	3
New Mexico.....	3	Korea.....	4
New York.....	241	Mexico.....	1
North Carolina.....	44	Norway.....	1
North Dakota.....	19	Panama.....	3
Ohio.....	113	Palestine.....	1
Oklahoma.....	33	Peru.....	3
Oregon.....	11	Philippine Islands.....	18
Pennsylvania.....	258	Poland.....	1
Rhode Island.....	16	Porto Rico.....	12
South Carolina.....	21	Russia.....	5
South Dakota.....	81	Switzerland.....	2

GENERAL SUMMARY

TEACHING STAFF

In many instances members of the Teaching Staff only give part time to the University:

Professors.....	90
Associate Professors.....	24
Assistant Professors.....	19
Associates.....	21
Lecturers and Instructors.....	94
Assistants and Demonstrators.....	73
Total.....	— 321

STUDENTS REGISTERED IN THE UNIVERSITY DURING 1922-1923

Department of Arts and Sciences

School of Graduate Studies.....	313
Columbian College.....	2302
College of Engineering.....	557
Teachers College.....	423
	— 3595

Professional Schools

Medical School.....	184
Law School.....	1146
College of Pharmacy.....	25
	— 1355
Total.....	4950

Summer School

Summer School, Arts and Sciences.....	830
Summer School, Law.....	378
	— 1208

COMMENCEMENT, 1922

HONORARY DEGREES

Master of Arts

HELEN NICOLAY

Doctor of Divinity

WALLACE RADCLIFFE

Doctor of Science

HAROLD L. AMOSS

Doctor of Humane Letters

JOANNES GENNADIUS

Doctor of Laws

HUSTON THOMPSON

DEGREES IN COURSE

Doctor of Philosophy

HARTWELL STANSBURY ADKINS.....	Maryland
A. B., 1908, Washington and Lee University	
A. M., 1920, George Washington University	
OLIVER BOWLES.....	Virginia
A. B., 1907, University of Toronto	
A. M., 1908, University of Toronto	
WALTER JAMES GREENLEAF.....	Maine
A. B., 1912, Bowdoin College	
A. M., 1918, Princeton University	
ERNEST FREDERICK MAHR.....	New York
B. S., 1917, Syracuse University	
CLARENCE LEROY MEISINGER.....	Nebraska
B. S., University of Nebraska	
M. S., 1920, George Washington University	
JOHN CHARLES MUERMAN.....	District of Columbia
A. M., 1916, George Washington University	
With Doctor's Diploma in Education	
LAWRENCE JAMES O'ROURKE.....	Wisconsin
A. B., 1915, Lawrence College	
ELEANORA BENNETTE SAUNDERS.....	South Carolina
B. S., Chicora College	
M. D., 1907, Medical College of South Carolina	
WALDO LASALLE SCHMITT.....	District of Columbia
B. S., 1913, George Washington University	
A. M., 1916, University of California	

Master of Arts

HELEN REBEKAH BARTLETT.....	Maryland
A. B., 1919, Western Maryland College	
HARRIE RUSSELL BONNER.....	West Virginia
A. B., 1914, West Virginia University	
With Master's Diploma in Education	
ROLLO HERBERT BRITTEN.....	Maryland
A. B., 1912, Harvard University	
MINNIE CARTER DAVIS.....	District of Columbia
A. B., 1913, George Washington University	

WALLACE D. EDINGTON.....	District of Columbia
A. B., 1921, George Washington University	
HARRIET DAYTON ELDRIDGE.....	District of Columbia
A. B., 1917, George Washington University	
RUFUS SOLOMON GARDNER.....	Virginia
A. B., 1921, George Washington University	
CHARLES GESCHICKTER.....	District of Columbia
A. B., 1920, George Washington University	
With Master's Diploma in Education	
GENEVIEVE FANA GREGG.....	Nebraska
A. B., 1919, Peru, Nebraska Teachers College	
HERBERT R. GROSSMAN.....	Kentucky
A. B., 1921, George Washington University	
SARAH GRACE HAZEN.....	New York
B. S., 1919, St. Lawrence University	
CHARLES ALLAN HERNDON.....	Kentucky
A. B., 1912, Centre College	
SADIE ZUNSER HYMAN.....	District of Columbia
A. B., 1921, George Washington University	
CLARENCE M. HYSLOP.....	Nebraska
A. B., 1917, Nebraska State Normal College	
GRACE DEAN JOHNSON.....	Ohio
B. S., 1908, New York University	
OTTO THEOPHILIUS JOHNSON.....	Vermont
B. S., 1914, University of Vermont	
YONG CHICK LEE.....	Korea
A. B., 1921, George Washington University	
STUART LEWIS.....	Illinois
A. B., 1921, George Washington University	
LAURA MADELINE MCCLINTOCK.....	Pennsylvania
A. B., 1921, George Washington University	
JAMES LEWIS LOFTON MONEYWAY.....	Alabama
A. B., 1912, George Washington University	
MICHAEL ANGELO MUSSMAN.....	Pennsylvania
A. B., 1921, George Washington University	
ESTILL ESS NAYLOR.....	Missouri
A. B., 1921, George Washington University	
RUBY NEVINS.....	District of Columbia
A. B., 1917, George Washington University	
VIRBROOK NUTTER.....	District of Columbia
A. B., 1920, Washington Missionary College	
GUS MILTON PATISON.....	Texas
A. B., 1917, Texas Christian University	
EMMETT JAMES PETERSON.....	California
A. B., 1921, George Washington University	
HAROLD AUGUSTUS PHELPS.....	Massachusetts
A. B., 1920, Brown University	
FAYE HOLLIS ROBERTS.....	Kansas
A. B., 1916, Baker University	
JOSEPH BENJAMIN SHELLHAAS.....	Ohio
A. B., 1917, Washington Missionary College	
MATTHEW WILLIAMS STIRLING.....	California
A. B., 1920, University of California	
ANDREW MONROE VLIET.....	Indiana
A. B., 1921, George Washington University	

HARDESTY EMORY WAGNER.....	Maryland
A. B., 1921, Washington Missionary College With Master's Diploma in Education	
MARY ELIZA WHEATLEY.....	Virginia
A. B., 1920, George Washington University	
ARCHER WILLEY.....	Utah
B. S., 1916, Agricultural College of Utah	
RENA WOLMAN.....	Maryland
A. B., 1921, George Washington University	
GROVER CLEVELAND YOUNG.....	South Dakota
A. B., 1921, George Washington University	

Master of Science

CHARLES OLIN BALL.....	District of Columbia
A. B., 1920, George Washington University	
JOHN STAFFORD BROWN.....	Missouri
B. S., 1917, Missouri School of Mines	
THOMAS ALLAN DAVIS.....	District of Columbia
B. S. in Chemical Engineering, 1921, George Washington University	
GRACE BRUCE HOLMES.....	District of Columbia
B. S., 1919, University of Maryland	
ROSEWELL JINKINS.....	Virginia
B. S., 1918, Randolph-Macon College	
CARL FRANCIS MARALDI.....	Massachusetts
A. B., 1921, George Washington University	
FRANK HENRY MARKS.....	District of Columbia
B. S., 1921, George Washington University	
RAYMOND MOONEY.....	Illinois
B. S., 1916, University of Illinois	
FRANK DEANE MOORE.....	District of Columbia
A. B., 1918, George Washington University	
ALBERT JOSEPH MOTTERN.....	Ohio
A. B., 1921, George Washington University	
HAROLD PERCY RUE.....	Pennsylvania
A. B., 1920, George Washington University	
WILEY C. SMITH.....	Mississippi
A. B., 1916, Mississippi University	
JAMES NORMAN TAYLOR.....	Delaware
B. S. in Chemistry, 1913, George Washington University	
GORDON CHASE TIBBITTS.....	District of Columbia
B. S. in Chemical Engineering, 1921, George Washington University	
WILLIAM HENRY TONKIN.....	District of Columbia
B. S. in Chemistry, 1921, George Washington University	
ERNEST CROEL WHITE.....	Virginia
A. B., 1910, Randolph-Macon College	

Civil Engineering

LEWIS DURAND ASMUS.....	New Jersey
B. S. in Civil Engineering, 1918, Drexel Institute	

Bachelor of Arts

MARY ETTA ABEL.....	Illinois
(With distinction)	
CAROLYN BACOME AIKEN.....	Tennessee
SAM BACOME AIKEN.....	Tennessee
(With distinction)	

MAXIE M. ALEXANDER.....	North Carolina
ALICE MAY ASHFORD.....	District of Columbia
KATHRYN AYRES NICHOLS.....	Kansas
MARGARET ELEANOR AYRES.....	Kansas
ROSS SONNEFIELD BAUMUNK.....	Illinois
JESSIE GLENDON BEACH.....	Texas
ISAAC NEWTON BEALL.....	District of Columbia
JOSEPH CARROLL BEHNE.....	Oklahoma
THOMAS DARL BEHNE.....	Oklahoma
GERTRUDE BERGMAN.....	Iowa
ROSS FRANKLIN BLEIKER.....	Missouri
GEORGE LOVERIDGE BOWEN.....	Kansas
MARY MARGARET BOX.....	Texas
ERMA BROWN.....	Missouri
LINUS DWIGHT BROWN.....	District of Columbia
HERBERT McCOMAS CARLE.....	Ohio
ELLEN LEE CARROLL.....	Mississippi
IM HING CHAN.....	China
KATHARINE ANTOINETTE CHAPMAN.....	Maryland
(With distinction)	
WALDO APPLETON CLARK.....	District of Columbia
ROBERT WILLIAM COLFLESH.....	Iowa
CARRIE JULIET COX.....	Ohio
GEORGE WILLIAM CRESWELL.....	Maryland
ALMA PARALEE DEHLER.....	Missouri
A. ROBERT DENISON.....	District of Columbia
(With distinction)	
CARL FRANCIS DOUDS.....	Ohio
ELIZABETH EARNEST.....	District of Columbia
(With distinction)	
ARTHUR FREDERICK ECKEL.....	Illinois
AMELIA CORNELIA ENSIGN.....	Georgia
LELAND M. EVANS.....	Utah
AGNES COLMAN EWELL.....	Minnesota
(With distinction)	
RICHARD L. FELDMAN.....	Maryland
ANNA BELLE FENTON.....	Massachusetts
HERRON THOMAS FLACK.....	Kansas
BEATRICE HANNAFORD FOLLETT.....	District of Columbia
HARRY FRIEDENBERG.....	District of Columbia
(With distinction)	
WILLIAM THOMAS FRYER.....	Maryland
HELEN MILDRED GARDNER.....	Pennsylvania
ARTHUR I. GEBHART.....	Pennsylvania
CLARENCE KINSEY GLOVER.....	West Virginia
ZODA VERN GREENLEE.....	Ohio
ANNE ELIZABETH WELLS GUILFORD.....	Maryland
(With distinction)	
ROBERT DANIEL GUSTIN.....	Minnesota
FRANCIS MARION HAND.....	Georgia
ELLIS HAWORTH.....	District of Columbia
(With distinction)	
ARTHUR BRADLEY HAYES, JR.....	District of Columbia
HENRY CLAY KEENE.....	Alabama
ELIZABETH McNEELY KEHR.....	District of Columbia

EDNA ILENE KNISELY.....	Indiana
JOHN GARDNER LADD.....	Maryland
MARY MORGIANNA LESTER.....	Virginia
FREDERICK LEWIS LEWTON.....	District of Columbia
ISAAC QUACKENBRUSH LORD.....	District of Columbia
ELI RUSSELL LUTZ.....	District of Columbia
KATHERINE CHRISTINE McCAULEY.....	District of Columbia
ELIZA RUTH McCOLLUM.....	South Dakota
EVELYN HAZLEHURST MALLARD.....	Georgia
HELEN LAURA MANKEY.....	District of Columbia
MAE ADELLE RAPHAEL MARLKEY.....	District of Columbia
NATHALIE ADAMS MAURICE.....	New York
NORMAN SHERIDAN MEESE.....	New York
MAY O'ROURKE MEHLIG.....	District of Columbia
ARNON LEWIS MEHRING.....	Pennsylvania
THEOPHIL WILLIAM MENZEL.....	District of Columbia
ERVIN EUGENE MERRIMAN.....	Indiana
DONALD EUGENE MERRIS.....	Pennsylvania
NELLE ELIZABETH MILLSAUGH.....	Missouri
FREDERICK CHORLTON MITCHELL.....	Pennsylvania
CLARA ALLEN MORROW.....	District of Columbia
BENNIE ARTHUR MOXNESS.....	North Dakota
JOHN THOMAS MYERS.....	Virginia
ESTHER ALSYLVIA NATHANSON.....	Virginia
CONSTANCE NEWELL.....	District of Columbia
MARGARET MARY NICHOLSON.....	District of Columbia
AARON NIMETZ.....	District of Columbia
WALTER EVERETT OVERSTREET.....	South Carolina
HELEN GERTRUDE PABST.....	New York
LUIS ANTONIO PASSALACQUA.....	Porto Rico
ESSIE LEE PEARSON.....	Alabama
(With distinction)	
LOIS PITCHER.....	District of Columbia
JAMES RICHARD PRICE.....	Alabama
ELMER MACK PUSEY.....	Maryland
AMY DOROTHY PUTNAM.....	New Jersey
(With distinction)	
DAVID LONG QUINN.....	Maryland
STELLA RANDOLPH.....	Illinois
HELEN JUNE ROMHILT.....	Indiana
M. ELSTRON ROWLAND.....	Tennessee
HARRY SANDAGER.....	Rhode Island
EDWARD LIPPHARDT SCHEUFLER.....	Kansas
CHARLES WARREN SCHOFFSTALL.....	Pennsylvania
PAUL HUBERT SELDEN.....	District of Columbia
GEORGE ROTHWELL SHERIFF.....	District of Columbia
LILLIAN MARTHA SMITH.....	District of Columbia
WALTER WEYLER SMYTH.....	Connecticut
GEORGE GORDON SNIDER.....	Michigan
MARGARET ISABEL SOARS.....	Pennsylvania
ANNETTE ESTELLE THOMAS STEEL.....	Pennsylvania
MARY L. STEWART.....	Tennessee
(With distinction)	
DAVID HUNTER STROTHER.....	West Virginia
FLORENCE IRENE SULLIVAN.....	Pennsylvania

ELDER PRESTON SUMMERS.....	Virginia
WEI LING SZE.....	China
BLANCHE TABOR.....	North Carolina
MAURICE ANSON THORNE.....	Maryland
BOLON BAILEY TURNER.....	Arkansas
NELDA ROSE UMBECK.....	Missouri
EFFIE LEE WALKER.....	Mississippi
(With distinction)	
HARRY NICOLAS WEIGANDT.....	South Dakota
EDWIN LEE WHITE.....	North Dakota
BENJAMIN COPPAGE WILLIS.....	Maryland
WILLIAM ELLIS ZIMMERMAN.....	Pennsylvania
CARL G. ZOBEL.....	District of Columbia

Bachelor of Science in Medicine

H. EUGENE COLE.....	District of Columbia
JOSHUA WILLIAM DAVIES.....	Pennsylvania

Bachelor of Science in Architecture

THOMAS RIVES EDWARDS.....	District of Columbia
---------------------------	----------------------

Bachelor of Science in Chemistry

GUILLERMO T. COELHO.....	Argentine
Lieutenant, Argentine Navy	
GEORGE HOLTON COREY.....	Pennsylvania
FRED HILLIG.....	Illinois
ARTHUR L. MORAWSKI.....	Massachusetts
MAX MYER WEISMAN.....	Maine

Bachelor of Science in Chemical Engineering

RALPH F. MILLER.....	Pennsylvania
NORRIS HENRY SANBORN.....	Hawaii
(With distinction)	

Bachelor of Science in Civil Engineering

WILBUR DELOZIER DAVIDSON.....	District of Columbia
LYNN HAMILTON HENCH.....	Pennsylvania
LESLIE WAYNE TELLER.....	Michigan
WILLIAM THAYER WEBB.....	District of Columbia

Bachelor of Science in Electrical Engineering

RICHARD DODGE CAMPBELL.....	District of Columbia
(With distinction)	

Bachelor of Science in Mechanical Engineering

EMMETT CHESTER BAILEY.....	Wisconsin
B. S., 1916, Beloit College	
SERGEI BAZAVOFF.....	Russia
STEPHEN MEAD LEE.....	Connecticut
JOHN CARTER MACNAB.....	Massachusetts
WALTER CLIFFORD SCOTT, JR.....	District of Columbia

Bachelor of Arts and Bachelor's Diploma in Education

THEODORE CUYLER ANDERSON.....	Virginia
CATHERINE CLARK BASSETT.....	District of Columbia
MARGARET MAE BECK.....	Wisconsin

RUTH BELL.....	District of Columbia
EUNICE KATHERINE CRABTREE.....	District of Columbia
ALICE VIRGINIA FOWLER.....	District of Columbia
(With distinction)	
VIRGINIA HEAD JOHNSON.....	Virginia
JOSEPH LAWRENCE KOCHKA.....	New Jersey
PRESOTT LECKY.....	Virginia
MARY MAGRUDER.....	Maryland
EVELYN JULIET MAXSON.....	District of Columbia
(With distinction)	
OTHO LIONEL NEWMAN.....	Indiana
VIRGINIA MASON NICHOLLS.....	District of Columbia
ELIZABETH GRACE OLDHAM.....	Florida
ESTELLE ISABEL OLIVER.....	Texas
ISABELLA WANDA ORYNSKI.....	Texas
BESSIE JANE PORTER.....	Nebraska
RUTH REGAN.....	Minnesota
LOUISE SHERMAN.....	Virginia
R. MARION SKOGLAND.....	Minnesota
MARIAN BISCOE SPIELMAN.....	District of Columbia
MINNIE COMPTON SQUIRE.....	District of Columbia
NELL BOYD TAYLOR.....	District of Columbia
(With distinction)	
ANNIE COLLIER THORNHILL.....	Virginia
ADELAIDE ROYALL TRENT.....	Virginia
GLADYS ROSAMOND TWELE.....	Maryland
(With distinction)	
HATTIE MARY WOLF.....	District of Columbia
EVELYN HAMPEL YOUNG.....	South Dakota

Doctor of Medicine

DEANE FRANCIS BROOKE.....	North Dakota
HAZEN EUGENE COLE.....	District of Columbia
JOSHUA WILLIAM DAVIES.....	Pennsylvania
JOHN MARSHALL GAINES.....	Virginia
Phar. D., 1916, George Washington University	
SAMUEL GOLDFAIN.....	Colorado
ROBERT VARNUM JONES.....	Pennsylvania
GEORGE NORDLINGER.....	District of Columbia
A. B., 1918, George Washington University	
NORMAN VERN PETERSON.....	Utah
B. S., 1913, Utah Agricultural College	
JOHN ALTON REED.....	District of Columbia
WILLIAM WARREN SAGER.....	District of Columbia
A. B., 1918, George Washington University	
ROBERT MITCHELL TAYLOR.....	District of Columbia
A. B., 1922, George Washington University	

Nurses Certificates

MARGARET SHERMAN BURT.....	Connecticut
CATHERINE GRACE COSGROVE.....	Pennsylvania
LEONORE HILMA VICTORIA HELANDER.....	New York
HAZEL MAE HEWITT.....	New York
HAZEL WOOD HARRIS.....	West Virginia
MARGARET LOUISE HOWARD PEECE.....	Maryland
ALTA MARIE POWELL.....	West Virginia

Bachelor of Laws

LESLIE HAROLD ADAMS.....	District of Columbia
A. B., 1920, George Washington University	
JESSE ANTHONY.....	Georgia
RAY ASH.....	West Virginia
A. B., 1918, West Virginia University	
DEVILLO A. BANNISTER.....	South Dakota
THOMAS FRANK BAUGHMAN.....	District of Columbia
DOROTHY JOYCE BEALL.....	District of Columbia
CASPER ROBERT BERG.....	Wisconsin
SYDNEY GRISWOLD BERRY.....	New Jersey
Ch. E., 1915, Columbia University	
ASHBY EDWARD BLADEN.....	Virginia
(With distinction)	
DAVID L. BLANKEN.....	District of Columbia
MARION LOUIS BOAT.....	Iowa
WILLARD HAYDEN BRACKLOW.....	Minnesota
HOBART BRANTLEY.....	North Carolina
JAMES ALEXANDER BURNS.....	District of Columbia
MORRIS BURROS.....	Connecticut
AARON PRENTISS BUTLER.....	Vermont
B. S., 1918, University of Vermont	
VASILIOS ISADORE CHEBITHES.....	Kentucky
A. B., 1916, Center College	
CHARLES ABRAHAM COHEN.....	New Jersey
MARY MAGDALEN CONNELLY.....	New York
MARCELL CONWAY.....	District of Columbia
JAMES PASCHAL COOLEY.....	Virginia
MARY SIMMONS COVINGTON.....	North Carolina
A. B., 1905, Shorter College	
(With distinction)	
JOHN RYAN DAILY.....	Illinois
DUNCAN WILMER DAUGHERTY.....	West Virginia
HELGE CHRISTOPHER DIESERUD.....	District of Columbia
B. S. in M. E., 1918, University of Illinois	
(With distinction)	
FREDERICK WILLIAM DODSON.....	District of Columbia
B. S., 1917, Massachusetts Institute of Technology	
MEYER DWORKIN.....	Connecticut
PHELAN WILLIAMS EATMAN.....	Louisiana
JOHN JAMES EDWARDS.....	Tennessee
ALVIN L. FJELD.....	South Dakota
CHAELES DENT FOGLE.....	Ohio
WILLIAM HENRY FORBES.....	Massachusetts
SAMUEL AARON FRIEDMAN.....	New York
THOMAS LEIGH GATCH.....	Maryland
Grad. 1912, U. S. Naval Academy	
CATHERINE JARVIS GAYLE.....	Virginia
ADELBERT JAY GREENE.....	Nevada
A. B., 1916, University of Colorado	
FRANKLIN EARL HARDY.....	New York
JOSEPH HARTMAN.....	Minnesota
(With distinction)	
LAWRENCE BROOKS HAYS.....	Arkansas
A. B., 1919, University of Arkansas	

BENJAMIN CLARK HILLIARD, JR.	Colorado
DAVID MALCOLM HODGE	Pennsylvania
A. B., 1919, Swathmore College	
JOHN EDWARD HOFFMAN	Pennsylvania
MARION ELIZABETH HOLLIDAY	Illinois
EMORY RALPH HONTS	Oklahoma
JOHN WHITE HUDSON	Missouri
A. B., 1920, University of Missouri	
JESSE HUFF	District of Columbia
M. E., 1914, Ohio State University	
GEORGE ERNEST HUGHES	District of Columbia
SARAH TILGHMAN HUGHES	Maryland
A. B., 1917, Goucher College	
DONALD VAN OSDOL HUNTER	Indiana
JAMES BROOKE HUTT	Virginia
ALBERT LESLIE JACKSON	Texas
ELMER JAMES JACKSON	Pennsylvania
BEN JENKINS	Illinois
WILLIAM KATZ	New York
B. S., 1914, College of the City of New York	
HENRY ERNEST KETNER	North Carolina
JAMES THOMAS KETNER	North Carolina
HOWARD CECIL KILPATRICK	Alabama
HOMER H. KIRBY	Ohio
FRANKLIN C. KNOCK	District of Columbia
ALFRED SMITH KNOWLTON	Minnesota
JOHN STEPHEN KUZMIAK	Pennsylvania
JOHN EMIL LARSON	Maine
EDNAH MCKINLEY LEE	District of Columbia
NELSON LITTELL	Indiana
A. B., 1920, George Washington University	
LEWELLYN ATSETT LUCE	Montana
(With distinction)	
CLARK WILFRED MARTIN	Pennsylvania
HILDA MEADOW	Georgia
ANNA CARROLL MONTGOMERY	District of Columbia
ROBERT ELMER MORGAN	Oklahoma
A. B., 1918, University of Arkansas	
THOMAS FLIPPIN MOUNT	Tennessee
EDWARD MCCARTHY, JR.	Virginia
CYRIL WESLEY MCCLEAN	California
A. B., 1915, University of California	
PHILBRICK MCCOY	District of Columbia
ANNA GERTRUDE McLAUGHLIN	Wyoming
WILLIAM WALTER McVAY	Pennsylvania
GEORGE LEONARD NELSON	Utah
ROSS MANNING NICHOLS	New Jersey
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MATTHEW HOUSTON O'BRIEN	District of Columbia
A. B., 1916, Wesleyan University	
(With distinction)	
OLAF WALTER OSNES	South Dakota
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HORACE DURANT PAYNE	Oklahoma
A. B., 1917, University of Missouri	

HARRY PERLIN.....	New York
A. B., 1920, George Washington University	
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A. B., 1917, University of Cincinnati	
(With distinction)	
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B. S. in E. E., 1917; M. A., 1911, University of Pennsylvania	
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C. E., 1917, Rensselaer Polytechnic Institute	
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Grad. 1911, U. S. Naval Academy	
(With distinction)	
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A. B., 1919, George Washington University	
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Grad., 1912, U. S. Naval Academy	
A. B., 1918, George Washington University	
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(With distinction)	
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LL. B., 1921, George Washington University	
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A. B., University of Nebraska	
LL. B., 1921, George Washington University	
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LL. B., 1921, George Washington University	
CATO BURDGE HURD	Indiana
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LL. B., 1921, George Washington University	
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LL. B., 1921, George Washington University	
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A. B., 1916, University of Colorado	
LL. B., 1919, George Washington University	
Bachelor of Science in Pharmacy	
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Doctor of Philosophy

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A. B., 1918, Shanghai Baptist University	
A. M., 1920, George Washington University	

Master of Arts

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A. B., 1918, Washburn College	
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A. B., 1918, University of Wisconsin	
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A. B., 1915, West Virginia University	
JAMES EDMUND DANDRIDGE MURDAUGH	District of Columbia
A. B., 1917, University of Virginia	

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A. B., 1917, University of California	
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A. B., 1920, George Washington University	
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D. D. S., 1916; A. B., 1920, George Washington University	
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B. S., 1918, George Washington University	

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Master of Arts

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FORM OF BEQUEST

One hundred thousand dollars will establish a chair, five thousand dollars a scholarship, and one thousand dollars a prize, in any department of the University.

"I give and bequeath to the George Washington University, of Washington, D. C., the sum of _____ dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine (or, in case of a special gift, stating the terms of the gift)."

20

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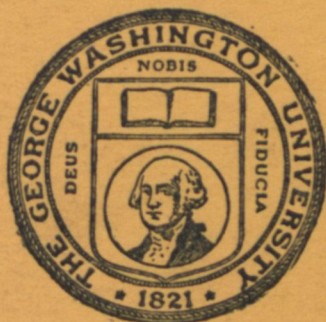
VOLUME XXII

NUMBER 3

George Washington University Bulletin

REPORT OF THE TREASURER

1922-1923



PUBLISHED BY THE UNIVERSITY
WASHINGTON, D. C.

George Washington University Bulletin

REPORT OF THE TREASURER
for the year ended August 31, 1923

Volume XXII, Number 3
October, 1923

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MARCH, JUNE, OCTOBER AND DECEMBER

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George Washington University
Bulletin

REPORT OF THE PRESIDENT
AND FACULTY OF THE

GEORGE WASHINGTON UNIVERSITY
1900-1901

GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

Report of the Treasurer.

October 10, 1923.

THE BOARD OF TRUSTEES OF GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report showing in detail the financial operations of the University for the fiscal year ended August 31, 1923; and exhibiting the state of the Trust Funds, as required by the By-Laws of the University, certified by F. W. Lafrentz and Company of New York, Public Accountants.

The total net resources of the University are \$1,506,551.08, a gain of \$67,642.66, as shown in the following comparative summary of Assets and Liabilities for 1921-22 and 1922-23.

COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1921-1922 AND 1922-1923

	1921-22	Assets. 1922-23	Increase.	Decrease.	Net increase.
Cash, General Funds	\$3,926.02	\$24,182.99	\$20,256.97		
Temporary investment of surplus cash.....	55,352.63	55,276.37		\$76.26	
Cash, Endowment Income.....	13,024.35	10,979.46		2,044.89	
Endowment Funds.	541,059.85	554,052.30	12,992.45		
Real Estate, exclusive of Endowment Funds.....	1,094,943.76	1,131,335.57	36,391.81		
Library Books.....	52,437.96	55,193.86	2,755.90		
Equipment.....	115,106.07	127,058.28	11,952.21		
Perpetual Insurance Deposits.....	1,406.25	1,406.25			
Accounts Receivable	49,113.82	20,576.96		28,536.86	
	<u>\$1,926,370.71</u>	<u>\$1,980,062.04</u>	<u>\$53,691.33</u>	<u>\$30,658.01</u>	<u>\$53,691.33</u>
		Liabilities.			
	1921-22	1922-23	Increase.	Decrease.	Net Increase.
Notes payable:					
Trust Notes.....	\$123,192.90	\$122,398.52		\$794.38	
Demand Note.....	15,000.00			15,000.00	
Liability to Endowment Funds.....	348,881.55	346,881.55		2,000.00	
Accrued Interest not due.....	387.84	390.56	\$2.72		
Accounts Payable.....		1,425.33	1,425.33		
Prepaid Tuition.....		2,415.00	2,415.00		
	<u>\$487,462.29</u>	<u>\$473,510.96</u>	<u>\$13,951.33</u>	<u>\$17,794.38</u>	<u>\$13,951.33</u>
Total Net Resources.....	\$1,438,908.42	\$1,506,551.08			
Increase of Net Resources.....	\$67,642.66				

Trust Funds were increased during the year \$12,992.45 as follows: Goddard Gift, \$2,000.00; Weddell Gift, \$5,000.00; Andrews Gift, \$2,000.00; Sinking Fund for the protection of investments \$249.16; Corcoran Endowment Fund, profit on sale of real estate, \$1,840.84; Alumni Endowment gift, \$5.00, and accretions to Executory Trusts as follows: Denman Law Fund \$42,450; Jacques Law Fund, \$267.64; Jacques Medical Fund, \$277.61; Mayer Hospital Fund, \$230.66; Law School Building Fund, \$44.74; General Building Fund, \$512.31; Chemical Building Fund, \$6.00 and Endowment Restoration and Accretion Fund, \$133.99.

Three New Trust Funds were opened during the year and the following amounts received: Goddard gift, \$2,000.00; Weddell gift, \$5,000.00; Investment Protection Sinking Fund, \$249.16.

Real Estate used for educational purposes or acquired for sites is valued at \$1,131,335.57, an increase of \$36,391.81. The increase is accounted for through purchase as follows: 2015 G Street, \$21,058.10; 729-731 Twenty-first Street, \$5,095.85; and 737 Twenty-first Street, \$10,237.86.

Notes Payable are outstanding to the amount of \$122,398.52, secured by deeds of trust on the following property:

1435 K Street, Law Building.....	\$95,000.00
722-728 Twentieth Street.....	10,500.00
808 Eye Street, Pharmacy Building.....	8,000.00
1016 Thirteenth Street, Nurses Home.....	4,500.00
1300 L Street, Nurses Home.....	1,081.12
720 Twentieth Street.....	3,317.40

Laboratory Equipment and Furniture are valued, after writing off depreciation, at \$127,058.28, an increase through purchase of \$11,952.21.

Books in the Libraries are valued, after writing off depreciation, at \$55,193.86, an increase through purchase of \$2,755.90

Contributions other than those reported under Trust Funds, were received as follows:

Board of Lady Managers of the Hospital.....	\$700.00
For American School of Classical Studies at Athens....	200.00
For Prizes.....	150.00
For Library.....	2.00

Property under Lease, used for educational purposes:

2022 G Street, one year to September 30, 1924.....	\$1,500.00
Basement of Concordia Church, October 1, 1923 to June 1, 1924.....	600.00

Accounts Receivable from students at the close of business August 31, 1923 was \$15,534.70. This includes charges against Veterans Bureau Summer School students of \$4,770.52, leaving due by other than government students \$10,764.18, or two and two tenths per cent of the total student charges for the year, a part of which will be collected in 1923-24.

The ratio of unpaid fees on August 31, 1921 was three and seven tenths per cent, and on August 31, 1922, two and eight tenths per cent.

Extraordinary Expenditures from current revenue were made in 1922-23:

Real Estate bought.....	\$36,391.81
Property betterments.....	12,904.84
Demand Note paid.....	15,000.00
Deed of Trust notes reduced.....	794.38
Payment of Powell Income.....	2,000.00
Endowment Campaign expenses.....	14,378.38

\$81,469.41

Cash Receipts and Payments are summarized as follows:

Balance brought over from 1921-22:

Cash in Bank.....	\$2,131.02
Surplus Cash temporarily invested.....	55,276.37

\$57,407.39

Receipts for the fiscal year 1922-23..... 669,381.13

726,788.52

Payments for the fiscal year 1922-23..... 649,154.16

Balance on hand August 31, 1923..... \$77,634.36

(Cash in Bank, \$22,357.99.)

(Temporarily invested, \$55,276.37.)

A statement in detail of Receipts and Payments for the fiscal year will be found in Exhibit "L" of this report.

Respectfully submitted,
CHARLES W. HOLMES,
Treasurer.

Report of the American Audit Company.

October 2, 1923

We have examined the accounts and records of the GEORGE WASHINGTON UNIVERSITY for the year ended August 31, 1923.

Our report, including Exhibits, is as follows:

EXHIBIT "A"—Balance Sheet.

- "B"—Surplus.
- "C"—Revenue Account.
- "D"—Department of Arts and Sciences.
- "E"—Department of Arts and Sciences—Summer School.
- "F"—Law School.
- "G"—Law Summer School.
- "H"—Medical School.
- "I"—Medical Summer School.
- "J"—College of Pharmacy.
- "K"—University Hospital.
- "L"—Statement of Cash Receipts and Payments.
- "M"—Trust Funds.
- "N"—Endowment Funds Investments.
- "O"—Executory Trust Funds Investments.
- "P"—Endowment and Executory Trust Funds, Income and Expense.

CASH: \$24,182.99.

We counted the cash on hand September 14, 1923, and reconciled the Cash Account with the Bank Account as at August 31, 1923.

INVESTMENTS:

On September 27, 1923, we inspected the Liberty Bonds, which compose this account.

ACCOUNTS RECEIVABLE: \$19,895.18.

This amount consists of Fees, etc., due for the term of 1922-1923, from students in the various departments, and other Accounts Receivable as follows:

School of Graduate Studies.....	\$832.63	
Columbian College.....	3,317.01	
College of Engineering.....	1,427.17	
Teachers College.....	931.78	
Summer School.....	3,622.41	
Total Department of Arts and Sciences.....		\$10,131.00
Law School.....	1,609.98	
Law Summer School.....	2,955.44	
		4,565.42
Medical Summer School.....		615.16
College of Pharmacy.....		223.12
Accounts due University Hospital from patients for the year 1922-1923.....		2,485.43
Student Activities.....		131.75
Income from Endowments.....		1,743.30
		<u>\$19,895.18</u>

The balances standing in accounts due at September 1, 1922, remaining unpaid as at August 31, 1923, are considered worthless and were charged to Surplus.

DEPRECIATION:

Depreciation on the Library Books, and Equipment was charged off to the amount of \$2,747.65.

NET INCOME:

The Net Income for the year from all departments including the University Hospital was \$85,322.51, as shown by Exhibit "C."

SURPLUS: \$941,519.32.

The changes in this account since August 31, 1922, are shown by Exhibit "B."

TRUST FUNDS:

On September 27, 1923, we inspected the securities representing the investments of the Endowment and Executory Trust Funds, in stocks, bonds, and notes, as per Exhibits "N" and "O."

We verified the cash balances as at August 31, 1923, representing uninvested principal \$10,984.17, and unexpended income \$10,979.46, of the Endowment and Executory Trust Funds with the bank accounts.

Respectfully submitted,

F. W. LAFRENTZ & Co.,

Public Accountants.

(Formerly The American Audit Co.)

GENERAL ACCOUNTS

REPORT OF THE TREASURER

EXHIBIT "B."

SURPLUS.

As at August 31, 1923.

Balance September 1, 1922.....		\$884,824.22
<i>Add:</i>		
Old Accounts Collected.....	\$957.25	
Profit on sale of Liberty Bonds—Net.....	64.36	
Net Income for University for the year ended August 31, 1923, transferred from Revenue Account, Exhibit "C".....	85,322.51	
		<u>86,344.12</u>
		\$971,168.34
<i>Less:</i>		
Uncollectible Accounts prior years.....	\$14,240.89	
Adjustment Fees.....	51.00	
Salary Adjustments, 1921-1922.....	933.75	
Pi Beta Phi Prize, 1918-1919.....	10.00	
Checks lost by bank, makers not traceable.....	35.00	
Endowment Fund Campaign Expenses....	14,378.38	
		<u>\$29,649.02</u>
Balance, August 31, 1923, Exhibit "A".....		<u><u>\$941,519.32</u></u>

GENERAL ACCOUNTS

11

EXHIBIT "C."
REVENUE ACCOUNT.

For the year ended August 31, 1923.

Income:

Department of Arts and Sciences, Exhibit "D"	\$46,193.05	
Law School, Exhibit "F"	35,490.64	
Medical School, Exhibit "H"	3,384.13	
College of Pharmacy, Exhibit "J"	1,323.66	
Assessment for General Expenses:		
Department of Arts and Sciences	\$58,009.00	
Law School	22,534.00	
		80,543.00
Income from Investments:		
Endowments for General Purposes	1,743.30	
Other Investments	3,610.79	
		5,354.09
Income from Other Sources:		
Graduation Fees	5,228.00	
Interest on Bank Deposits	1,152.28	
Rent—Net	1,106.92	
Miscellaneous	93.65	
		7,580.85
		<u>\$179,869.42</u>

Expenses.

Administrative Expenses:

Administration Hall:

Heat and Light	\$635.83	
Wages	1,034.38	
Repairs	171.45	
Supplies and Expense	156.16	
		\$1,997.82
Advertising		1,858.49
Auditing		750.00
Commencement Expenses		4,007.24
Depreciation on Equipment		73.24
Insurance		498.14
Legal		300.00
Miscellaneous		1,626.91
Postage		1,762.77
Salaries		31,985.95
Stationery and Printing		3,642.62
Telephone		734.16
Transferred to Medical School		20,000.00
Traveling Expenses		1,052.74
		<u>\$70,290.08</u>
Special Repairs and Improvements	\$12,904.84	
Debating Council	275.00	
Cash Shortage in remittances from		
Law School	100.00	
Interest	7,407.55	
Taxes	486.61	
Salaries, Student Activities	500.00	
Deficit, University Hospital (Exhibit "K")	1,899.73	
Architects Fees for Building Project not adopted	683.10	
		<u>24,256.83</u>
		<u>\$94,546.91</u>
Net Income for the year ended August 31, 1923, transferred to Surplus Account, Exhibit "B"		<u>\$85,322.51</u>

REPORT OF THE TREASURER

EXHIBIT "D."

DEPARTMENT OF ARTS AND SCIENCES.

For the year ended August 31, 1923.

Income.

Tuition:	
School of Graduate Studies.....	\$21,801.50
Columbian College.....	162,063.38
College of Engineering.....	51,432.75
Teachers College.....	28,010.00
	<hr/>
	\$263,307.63
Matriculation:	
School of Graduate Studies.....	628.00
Columbian College.....	4,606.00
College of Engineering.....	1,096.00
Teachers College.....	844.00
	<hr/>
	7,174.00
Laboratory:	
School of Graduate Studies.....	218.32
Columbian College.....	5,253.18
College of Engineering.....	3,393.75
Teachers College.....	235.07
	<hr/>
	9,100.32
Miscellaneous:	
Duplicate Transcript, Columbian College....	3.00
Contribution for McCutchins Prize.....	40.00
Contributions for Fraternity Prizes.....	35.00
Contribution from American Archaeological Society.....	200.00
	<hr/>
	278.00
	<hr/>
	\$279,859.95

Expenses.

Salaries.....	\$143,129.10
Laboratories.....	5,170.88
Stationery and Printing.....	1,666.48
Library.....	592.92
McCutchins Prizes.....	40.00
Fraternity Prizes.....	35.00
Postage.....	250.10
Telephone.....	24.00
Membership Dues—Associations.....	146.50
Repairs to Equipment.....	655.72
Depreciation on Equipment.....	1,241.86
Depreciation on Library Books.....	323.96
Miscellaneous.....	731.32
University Hall:	
Wages.....	\$8,196.31
Rent.....	2,100.00
Heat and Light.....	6,300.35
Repairs.....	7,545.42
Insurance.....	1,302.64
Hauling.....	381.75
Supplies and Expense.....	2,788.50
	<hr/>
	\$28,614.97
Less, Rent of Fraternity Rooms..	1,640.50
	<hr/>
	26,974.47

Contribution to American School of Classical Studies.....	\$ 200.00	
Transferred to College of Pharmacy.....	1,000.00	
Transferred to Medical School.....	1,080.00	
Transferred to General Fund.....	58,009.00	
	<u> </u>	\$241,271.31
		\$38,588.64
Net Income Department of Arts and Sciences Summer School, transferred from Exhibit "E".....		\$7,604.41
Net Income, transferred to Revenue Account, Exhibit "C" ..		<u>\$46,193.05</u>

NOTE:

Library Books were purchased during the year to the amount of \$1,028.82.

NOTE:

Tuition was provided by the Department of Arts and Sciences for which it received no monetary consideration as follows:

Scholarships.....	\$8,667.95	
University Aid.....	1,807.25	
Ministerial Aid.....	2,181.50	
	<u> </u>	\$12,656.70

EXHIBIT "E."

DEPARTMENT OF ARTS AND SCIENCES—SUMMER SCHOOL.

For the year ended August 31, 1923.

<i>Income.</i>		
Tuition.....	\$30,130.00	
Laboratories.....	594.95	
	<u> </u>	\$30,724.95
<i>Expenses.</i>		
Salaries.....	\$23,025.00	
Miscellaneous.....	95.54	
	<u> </u>	\$23,120.54
Net Income, transferred to Department of Arts and Sciences, Exhibit "D".....		<u>\$7,604.41</u>

REPORT OF THE TREASURER

EXHIBIT "F."

LAW SCHOOL.

For the year ended August 31, 1923.

Income.

Tuition.....	\$114,409.50	
Matriculation.....	2,375.00	
Library.....	28.50	
Sale of Examination Questions.....	114.00	
Duplicate Diploma.....	5.00	
Contribution for Phi Delta Phi Prize.....	25.00	
Contribution for Herrick Prize.....	25.00	
Contribution for Ellsworth Prize.....	25.00	
	<hr/>	\$117,007.00

Expenses.

Salaries.....	\$52,337.39	
Library.....	472.90	
Stationery and Printing.....	1,611.88	
Telephone.....	401.04	
Postage.....	181.34	
Advertising.....	761.10	
Herrick Prize.....	25.00	
Ellsworth Prize.....	25.00	
Phi Delta Phi Prize.....	25.00	
Repairs to Equipment.....	112.31	
Depreciation on Equipment.....	121.83	
Depreciation on Library Books.....	229.26	
Miscellaneous.....	233.67	
	<hr/>	\$56,537.72

Transferred to General Fund.....	22,534.00	
----------------------------------	-----------	--

\$79,071.72

Law Hall:

Wages.....	\$2,662.96	
Heat and Light.....	1,918.49	
Repairs.....	2,721.42	
Supplies and Expense.....	869.77	
	<hr/>	8,172.64

\$87,244.36

Net Income Law Summer School, transferred from Exhibit "G".....	29,762.64	
	<hr/>	5,728.00

Net Income, transferred to Revenue Account, Exhibit "C" ..	<hr/>	\$35,490.64
--	-------	-------------

Note:

Library Books were purchased during the year to the amount of \$2,046.84.

GENERAL ACCOUNTS

15

EXHIBIT "G."

LAW SUMMER SCHOOL.

For the year ended August 31, 1923.

Income.

Tuition.....	\$12,078.00	
Matriculation.....	650.00	
	<hr/>	\$12,728.00

Expenses.

Salaries.....	\$6,916.00	
Stationery and Printing.....	84.00	
	<hr/>	\$7,000.00

Net Income, transferred to Law School, Exhibit "F".....	<hr/>	\$5,728.00
---	-------	------------

REPORT OF THE TREASURER

EXHIBIT "H."
MEDICAL SCHOOL.

For the year ended August 31, 1923.

Income.

Tuition.....	\$40,279.00
Matriculation.....	716.00
Laboratory.....	2,765.10
Miscellaneous.....	30.00

\$43,790.10

Transferred from Administration, Exhibit "C".....	20,000.00
Transferred from Arts and Sciences, Exhibit "D".....	1,080.00

\$64,870.10*Expenses.*

Salaries.....	\$40,978.73
Laboratory.....	4,622.51
Library.....	253.33
Stationery and Printing.....	858.23
Advertising.....	274.17
Telephone.....	327.74
Postage.....	123.40
Traveling Expense.....	369.06
Repairs to Equipment.....	203.51
Depreciation on Equipment.....	699.60
Depreciation on Library Books.....	57.90
Miscellaneous.....	414.27

\$49,182.45

Medical Hall:

Wages.....	\$2,626.64
Heat and Light.....	3,062.33
Hauling.....	306.15
Repairs.....	5,486.97
Insurance.....	435.02
Supplies and Expense.....	2,063.08

13,980.19

63,162.64

Net Income, Medical Summer School, transferred from Exhibit "I".....	\$1,707.46
	1,676.67

Net Income, transferred to Revenue Account, Exhibit "C" ..	\$3,384.13
--	------------

NOTE:

Library Books were purchased during the year to the amount of \$291.36.

EXHIBIT "I."
MEDICAL SUMMER SCHOOL
For the year ended August 31, 1923.*Income.*

Tuition.....	\$2,656.00
Matriculation.....	76.00
Laboratories.....	370.00

\$3,102.00*Expenses.*

Salaries.....	\$1,425.33
---------------	------------

Net Income, transferred to Medical School, Exhibit "H"	\$1,676.67
---	------------

GENERAL ACCOUNTS

17

EXHIBIT "J"
COLLEGE OF PHARMACY
For the year ended August 31, 1923.

<i>Income.</i>	
Tuition.....	\$2,503.25
Matriculation.....	83.00
Laboratory.....	601.86
	<hr/>
	\$3,188.11
Transferred from Department of Arts and Sciences.....	1,000.00
	<hr/>
	\$4,188.11
<i>Expenses.</i>	
Salaries.....	\$1,725.00
Telephone.....	48.70
Heat and Light.....	514.35
Supplies.....	354.62
Repairs.....	95.90
Insurance.....	64.60
Miscellaneous.....	61.28
	<hr/>
	\$2,864.45
Net Income, transferred to Revenue Account, Exhibit "C".....	<hr/> <hr/>
	\$1,323.66

EXHIBIT "K."
UNIVERSITY HOSPITAL.
For the year ended August 31, 1923.

<i>Income.</i>	
Pay Patients:	
Collected.....	\$103,352.82
Uncollected.....	2,485.43
	<hr/>
	\$105,838.25
Commissions:	
On Special Hospital Charges..	1,020.24
Telephone.....	92.40
	<hr/>
	1,112.64
Repayments for Nurses' Uniforms—Net.....	217.68
Income from Endowments.....	1,005.98
Contribution from Board of Lady Managers..	700.00
	<hr/>
	\$108,874.55
<i>Expenses.</i>	
Salaries.....	\$40,584.99
Fees to Doctors for Special Work.....	11,460.50
Table Supplies.....	25,685.27
Medical and Surgical Supplies.....	7,080.30
Electricity and Gas.....	3,879.46
Fuel.....	3,731.40
Laundry.....	4,218.84
Repairs.....	4,465.40
Equipment Replacements.....	1,102.04
Miscellaneous Supplies.....	3,075.69
Ice.....	1,998.33
Telephone.....	771.69
Stationery and Printing.....	956.22
Insurance.....	1,009.98
Interest.....	71.62
Hauling.....	213.10
Miscellaneous.....	469.45
	<hr/>
	\$110,774.28
Net Deficit, transferred to Revenue Account, Exhibit "C"...	<hr/> <hr/>
	\$1,899.73

EXHIBIT "L."
STATEMENT OF CASH RECEIPTS AND PAYMENTS
For the year ended August 31, 1923.

Receipts.	Arts and Sciences.	Law.	Medicine.	Hospital.	Pharmacy.	Adminis- tration.	Total.
Students:							
Regular session.....	\$275,036.85	\$116,120.76	\$45,661.47		\$3,369.00		\$440,188.08
Summer session.....	27,335.59	9,772.56	2,003.00				39,111.15
Old fees, 1920-1921.....	727.74						727.74
Old fees, 1921-1922.....	16,706.62	14,620.63	1,222.37		119.75	\$30.00	32,699.37
Special lectures.....	400.00						400.00
Graduation fees.....							
Prepaid Medical fees, 1923-24.....							
Contributions.....							
Prizes.....	202.00			\$700.00			4,489.50
Fraternity rooms.....	75.00	75.00					2,415.00
Hospital.....							902.00
Rents from taxed property.....							150.00
Endowment income.....				109,761.15		1,640.50	1,640.50
Interest on bank deposit.....	304.59					1,106.92	1,106.92
Interest on temporary invest- ments.....						1,327.73	1,632.32
Miscellaneous.....						1,152.28	1,152.28
Securities sold.....		117.38	30.00			3,382.34	3,382.34
						75.40	222.78
						29,400.00	29,400.00
Total cash receipts.....	\$320,788.39	\$140,705.33	\$48,916.84	\$110,462.15	\$3,488.75	\$45,019.67	\$669,381.13
Cash balance, September 1, 1922.....					469.03	1,661.99	2,131.02
Total cash.....	\$320,788.39	\$140,705.33	\$48,916.84	\$110,462.15	\$3,957.78	\$46,681.66	\$671,512.15
Transfers, A. & S. to Adminis- tration.....							
Transfers, Law to Administration.....						58,008.50	58,008.50
Transfers, A. & S. to Pharmacy.....						22,534.00	22,534.00
Transfers, A. & S. to Medicine.....			1,080.00		1,000.00		1,000.00
Transfers, Administration to Medicine and Hospital.....			17,434.39	5,910.19			1,080.00
	\$320,788.39	\$140,705.33	\$67,431.23	\$116,372.34	\$4,957.78	\$127,924.16	\$777,457.15

GENERAL ACCOUNTS

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Payments.	Arts and Sciences.	Law.	Medicine.	Hospital.	Pharmacy.	Adminis- tration.	Total.
Departmental.....	\$175,454.23	\$63,115.01	\$48,424.95		\$2,173.17		\$259,167.36
Maintenance.....	28,614.97	8,172.64	13,980.19		691.28		53,931.43
Administration.....						\$2,472.35	37,228.55
Hospital.....				\$113,251.29		37,228.55	113,251.29
Commencements.....						4,007.24	4,007.24
Equipment.....	4,770.33	219.35	3,066.97			2,911.04	14,088.74
Library books.....	1,028.82	2,046.84	291.36	3,121.05			3,367.02
Real Estate purchased.....	36,391.81						36,391.81
Real Estate betterments.....							12,904.84
Endowment Income restoration.....							2,000.00
Mortgage notes reduced.....							794.38
Notes payable.....							15,000.00
Securities purchased.....							29,259.38
Endowment Campaign expenses.....							14,378.38
Refunds to students.....							20.00
Student activities.....	3,346.28	723.25	1,517.76		278.80		5,886.09
1921-22 salaries.....							519.25
Prizes.....	690.00		150.00				840.00
American School at Athens.....	85.00	75.00					160.00
Stationery, printing and postage.....	200.00						200.00
Advertising.....							5,405.39
Interest.....							1,858.49
Taxes.....							7,858.16
Miscellaneous.....							486.61
							169.75
Total cash payments.....	\$250,581.44	\$74,352.09	\$67,431.23	\$116,372.34	\$3,143.25	\$137,273.81	\$649,154.16
*Cash balances August 31, 1923.....					1,814.53	20,543.46	22,357.99
Transfers, A. & S. to Administration.....	\$250,581.44	\$74,352.09	\$67,431.23	\$116,372.34	\$4,957.78	\$157,817.27	\$671,512.15
Transfers, Law to Administration.....	58,008.50						58,008.50
Transfers, Administration to Medicine and Hospital.....		22,534.00					22,534.00
Transfers, A. & S. to Pharmacy.....	1,000.00						23,344.58
Transfers, A. & S. to Medicine.....	1,080.00						1,000.00
							1,080.00
	\$310,669.94	\$96,886.09	\$67,431.23	\$116,372.34	\$4,957.78	\$181,161.85	\$777,479.23

* Cash in bank..... \$22,357.99
 Cash temporarily invested..... 55,276.37

Total cash as at August 31, 1923..... \$77,634.36

TRUST ACCOUNTS

REPORT OF THE TREASURER

EXHIBIT "M."

TRUST FUNDS

As at August 31, 1923.

GENERAL ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of the general work of the University.

Subscription Gifts Endowment Fund, 1845-1851:

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.)..... \$12,525.56

Withers Endowment Fund:

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving \$16,100, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.).. 26,891.46

Corcoran Endowment Fund:

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon, or the income therefrom to be used for the current expenses and support of the institution; William W. Corcoran, of Washington, D. C., giving \$112,000, and the balance being obtained by general subscription..... 220,155.76

Syms Endowment Fund:

Bequest of Samuel Robert Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College proper..... 1,500.00

\$261,072.78

PROFESSORSHIP ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

Congressional Professorship Endowment Fund:

Donation by the United States, in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees;" (appropriated to the extent of \$6,295.77 by vote of the Board of Trustees to the support of the Professorship of English)..... \$105,362.95

Elton Professorship Fund:

Bequest of Rev. Romeo Elton of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy..... \$14,508.19

Alumni Professorship Fund:

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be invested and the interest only to be used for the professorship..... 829.49

\$120,700.63

SPECIFIC ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorships) incidental to, or connected with, the general work of the University.

Scholarship Funds:

Walker Scholarship Fund:

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship..... \$2,500.00

Withington Scholarship Fund:

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship..... 1,953.13

Morehouse Scholarship Fund:

Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry..... 1,500.00

Kendall Scholarship Fund:

Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; the Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade..... 5,959.61

Davis Scholarship Fund:

Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions..... 1,000.00

M. M. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man..... 1,000.00

Founders of Columbian Women Scholarship Fund:

A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College..... 2,770.00

Woodhull Scholarship Fund:

Gift of Ellen M. E. Woodhull, of Washington, D. C., the income to be used for scholarships..... \$600.00

Byron Andrews Memorial Scholarship Fund:

A fund founded by Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students, in English, Latin Journalism, History, Literature or Political Science" . . 5,000.00

David Spencer Scholarship Fund:

Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at the University..... 18,135.00

Farnham Scholarship Fund:

Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College..... 1,000.00

Powell Scholarship Fund:

Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States. . . 30,000.00

Mary Lowell Stone Scholarship Fund:

Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for scholarships for needy women students in science in the Department of Arts and Sciences..... 2,000.00

H. H. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University, as a foundation for scholarships in civil engineering in Columbian College.. 5,000.00

Nellie Maynard Knapp Scholarship Fund:

Gift of the Columbian Women, in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Department of Arts and Sciences..... 5,000.00

\$83,417.74

Medical School and Hospital Funds:*Cooper Medical Research Fund:*

Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C., as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases..... \$10,000.00

National Park Seminary Hospital Endowment Fund:

Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to George Washington University, for the endowment of a bed in the University Hospital..... \$500.00

Woodbury Hospital Endowment Fund:

Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the hospital belonging to or connected with the University. \$9,583.33

Chapman Hospital Endowment Fund:

Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital. 1,350.90

Tree Hospital Endowment Fund:

Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or beds". . . . 10,000.00

Reinhardt Hospital Fund:

Bequest of Mrs. Luisa Wynne Reinhardt of Washington, D. C., in 1922, to the University Hospital, to be used for the benefit of the Hospital, as directed by the Board of Trustees. 500.00

\$31,934.23

Prize Funds:*Davis Prize Fund:*

Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College. 700.00

Ruggles Prize Fund:

Gift of William Ruggles, of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1859, to Columbian College, for a prize to be awarded annually for excellence in mathematics. . 500.00

Staughton-Elton Prize Fund:

Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek languages; one to be called the Staughton prize in Latin, the other the Elton prize in Greek. 500.00

Fitch Prize Fund:

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School. 1,000.00

Walsh Prize Fund:

Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history. 300.00

Cutter Prize Fund:

Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English. 1,000.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal, and a cash prize, to be awarded annually to the student making the highest average in Commerce. . . . 1,000.00

REPORT OF THE TREASURER

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy..... \$500.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature..... 500.00

Hubbard Prize Fund:

Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high standing in the classes of American history, may be required to present the best essay upon an assigned topic in this subject..... \$1,000.00

Ordronaux Prize Fund:

Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments..... 4,762.50

Weddell Prize Fund:

Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world..... 5,000.00

Sterrett Prize Fund:

Gift of Rev. J. Macbride Sterrett, in 1911, to George Washington University, in memory of his son, J. Macbride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining highest average in physics..... 200.00

\$16,962.50

SINKING FUND FOR PROTECTION OF ENDOWMENT INVESTMENTS.

Fund created to receive special gifts, profits from sale of consolidated investments, and appropriations from general funds, principal and income usable for the protection against depreciation of invested funds..... \$249.16

ALUMNI ENDOWMENT FUND.

Permanent fund, principal to be invested and income to be used, for support of the general work of the University.

Alumni Endowment Fund:

A fund established by the senior class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees..... 387.00

Total Endowment Funds..... \$514,724.04

EXECUTORY TRUST FUNDS

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

Executory Trust Funds not Confined to Building Purposes:

Denman Law School Fund:

Bequest of Hampton Y. Denman, of Washington, D. C., in 1904, to Columbian University, for the use and benefit of the Law Department..... \$8,990.05

Jacques Law School Fund:

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Law School..... 5,673.04

Jacques Medical School Fund:

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Hospital of the University..... 5,883.47

Mayer Hospital Fund:

Bequest of Theodore J. Mayer, of Washington, D. C., in 1907 (received in 1916), to George Washington University, for the benefit of the University Hospital.... 4,911.95

25,458.51

Building Funds:

Law School Building Fund:

Gifts of various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing a site and erecting a Law School building... \$955.15

General Building Fund:

Gifts of various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing sites, buildings and equipment, remodeling or rebuilding, and paying off obligations. This is an open subscription fund, to be continued and increased indefinitely..... 10,055.16

Chemistry Building Fund:

Gifts of various persons toward a fund, principal and interest usable for a Chemical Laboratory Building..... 129.83

11,140.14

Endowment Restoration and Accretion Fund..... 2,729.61

Total Executory Trust Funds..... \$39,328.26

Total Trust Funds..... \$554,052.30

REPORT OF THE TREASURER

EXHIBIT "N."
 ENDOWMENT FUNDS INVESTMENTS
 As at August 31, 1923.

STOCKS.	
American Telephone and Telegraph Co.:	
6 shares of stock.....	\$708.00
Chicago, Rock Island and Pacific Railway Co.:	
40 shares of 7 per cent Preferred Stock.....	4,000.00
BONDS.	
Chicago, Rock Island and Pacific Railway Co.:	
\$24,000 4 per cent First and Refunding Mortgage Bonds, due 1934.....	20,959.17
*Chicago, Rock Island and Pacific Railway Co.:	
\$10,000 4 per cent Collateral Trust Bonds, due 2002.....	8,094.72
Virginia Railway Co.:	
\$300 5 per cent First Mortgage Gold Bonds, Series "A," due 1962.....	297.38
Washington Railway and Electric Co.:	
\$4,500 4 per cent Consolidated Mortgage Gold Bonds, due 1951.....	3,631.25
Potomac Electric Power Co.:	
\$15,000 5 per cent Consolidated Mortgage Gold Coupon Bonds, due 1936.....	15,025.00
City of Medford, Massachusetts:	
\$3,000 4 per cent Sewerage Loan Bonds, due 1924.....	3,000.00
\$2,100—Liberty Loan Bonds—Second Series.....	2,100.00
TRUST NOTES.	
Thomas R. Marshall Note:	
Secured by deed of trust on part of lot 5, square 253, and lot 70, block 30, in Columbia Heights; interest $5\frac{1}{2}$ per cent; due May 5, 1925.....	5,000.00
Agnes Plunkett Notes:	
Secured by deed of trust on part of lot 12, square 11, in Meridian Hill; interest 6 per cent; due February 4, 1923..	200.00
E. J. W. Revell Note:	
No. five of seven, secured by deed of trust on lot 40, square 44, University Park, interest 7 per cent; due September 9, 1923. Held by American Security and Trust Co., Trustees of Byron Andrews Memorial Scholarship Fund.....	3,000.00
G. H. R. Sinclair and C. E. Bingham Note:	
Secured by deed of trust on lot 17, Square 184; interest 6 per cent; due October 11, 1925.....	25,000.00
Washington Club Note:	
Number seventy of seventy-three, secured by deed of trust on lot 1, square 64; interest 6 per cent; due March 22, 1926.....	3,000.00
Anchor Theatrical Corporation Notes:	
Numbers thirty-five and thirty-nine of thirty-nine, secured by deed of trust on lot 44, square 254; interest 6 per cent; due September 26, 1925.....	5,000.00
Benjamin F. Raines Note:	
Secured by deed of trust on sub-lot 148, square 672; interest 7 per cent; due March 13, 1926.....	2,150.00
Terminal Storage and Warehousing Company Notes:	
Numbers one hundred and six, one hundred and eleven, one hundred and thirty-six and one hundred and thirty-seven, of four hundred and fifty, secured by deed of trust on original lot 6, lots A, B, C, D, E, F, 16, 17, and part of lots 18, and 191, square 536; interest 6 per cent; due November 11, 1925.....	13,000.00
S. C. Van Antwerp Note:	
Number eleven of fourteen, secured ty deed of trust on lot 37, square 86; interest 6 per cent; due August 8, 1925....	2,000.00
*To secure these bonds the University has received 100 shares of Chicago, Rock Island and Pacific Railway Co. common stock.	

TRUST ACCOUNTS

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** Interest in \$350,000 note payable to Washington Loan and Trust Co., Fiscal Agent of George Washington University, Trustee of Endowment Funds, secured by deed of trust, executed by the University to National Savings and Trust Company, Trustee, December 1, 1910, on Medical and Hospital Lands and Buildings; 1335, 1339, and 1341 H Street, N. W., without interest; due on or before December 1, 1920. \$323,430.23

REAL ESTATE.

Congressional Endowment:

Part lot 10, square 13.....	\$3,813.50	
Lot 12, square 13.....	3,715.00	
Lot 13, square 13.....	3,270.00	
Lot 9, square 16.....	2,594.20	
Lot 5, square 87.....	8,532.00	
		\$21,924.70
Powell Endowment, 1707 I Street N. W.....	30,000.00	
Chapman Endowment, Hyattsville.....	125.00	
Spencer Farm.....	18,135.00	
Certificate of Deposit:		
Washington Loan and Trust Company.....	150.00	
		<u>\$509,930.45</u>

SUMMARY.

Stocks.....	\$4,708.00	
Bonds.....	53,107.52	
Trust Notes.....	381,780.23	
Real Estate.....	70,184.70	
Miscellaneous.....	150.00	
		\$509,930.45
Cash on hand for Investment, August 31, 1923, Exhibit "A".....	4,793.59	
Total Endowment Funds, Exhibit "M".....		<u>\$514,724.04</u>

Exhibit "O"

EXECUTORY TRUST FUNDS INVESTMENTS

As at August 31, 1923.

BONDS

\$3,100.00 Liberty Loan—Fourth Series.....	\$3,109.86	
\$10,100.00 Liberty Loan—Third Series.....	9,724.75	
U. S. Steel Corporation:		
\$3,000 5% Sinking Fund Gold Coupon Bonds, due 1963.....	3,060.00	
Metropolitan Railroad Co.:		
\$1,000 5% 1st Mortgage Gold Bond, due 1925.....	1,070.00	
Potomac Electric Power Co.:		
\$2,000 5% Consolidated Mortgage Gold Coupon Bonds, due 1936.....	2,028.75	
Washington Gas Light Co.:		
\$1,000 5% General Mortgage Gold Bond, due 1960.....	1,105.00	
Washington Railway and Electric Co.:		
\$1,000 4% Consolidated Mortgage Gold Bond, due 1951.....	860.00	
		<u>\$20,958.36</u>

TRUST NOTES

Rita Weller Notes:		
Secured by deed of trust on lots 16 to 34 and 36 to 44, square 849, int. 7%; due October 25, 1924.....	5,000.00	

MISCELLANEOUS

Interest in General Property of the University.....	7,179.32	
Total investments.....	33,137.68	
Cash on hand for Investment, August 31, 1923.....	6,190.58	
Total Executory Trust Funds—Exhibit "M".....		<u>\$39,328.26</u>

** The \$2,000 difference between this note of the University and the liability carried on the Balance Sheet, Exhibit "A" is included in the Endowment Restoration and Accretion Fund.

EXHIBIT "P."
ENDOWMENT AND EXECUTORY TRUST FUNDS—INCOME AND EXPENSE
For the year ended August 31, 1923.

	Balance Aug. 31, 1922.		Year ended August 31, 1923.		Balance Aug. 31, 1923.	
	Debit.	Credit.	Expense.	Income.	Debit.	Credit.
<i>Endowment Funds:</i>						
Congressional Professorship of English Fund.....		\$304.59	\$304.59	\$325.30		\$325.30
Corcoran Endowment Fund.....		1,327.73	1,327.73	1,418.00		1,418.00
Alumni Endowment Fund.....		30.38		19.98		50.36
Elton Professorship Fund.....		1,130.58		225.91		1,356.49
Alumni Professorship of Mathematics Fund.....		182.76		42.82		225.58
Founders of Columbian Women Scholarship Fund.....		106.85	106.85	142.99		142.99
David Spencer Scholarship Fund.....		1,884.67		682.33		2,567.00
Withington Scholarship Fund.....		105.92	60.00	19.61		65.53
Kendall Scholarship Fund.....		217.55	193.55	232.39		256.39
Davis Scholarship Fund.....	\$63.93			2.06	\$61.87	
Powell Scholarship Fund.....		2,068.22	4,993.93	2,000.00	925.71	
Ellen M. E. Woodhull Scholarship Fund.....		52.30		30.97		83.27
H. H. Carter Scholarship Fund.....	206.25				206.25	
M. M. Carter Scholarship Fund.....	1.23				1.23	
Byron Andrews Memorial Scholarship Fund.....		294.20	120.00	232.11		406.31
Farnham Scholarship Fund.....		38.77				38.77
Nellie Maynard Knapp Scholarship Fund.....		352.00	352.00	258.20		258.20
Mary Lowell Stone Scholarship Fund.....		772.89	80.00			692.89
Metzerott Scholarship Fund.....				300.00		300.00
Cooper Medical Research Fund.....		1,310.11	1,077.68	516.30		748.73
National Park Seminary Hospital Endowment Fund.....		320.49		25.81		346.30
Woodbury Hospital.....		463.28	463.28	494.69		494.69
Chapman Hospital Endowment Fund.....		59.28		63.28		63.28
Tree Hospital Endowment Fund.....		483.42	483.42	516.30		516.30
Davis Prize Fund.....		81.61	21.00	36.13		96.74
Ruggles Prize Fund.....	40.50				40.50	
Vitch Prize Fund.....		725.17	50.00	12.18		687.35

TRUST ACCOUNTS

31

Walsh Prize Fund.....	296.84	.....	.....	15.48	.....	312.32
Cutter Prize Fund.....	80.44	.....	50.00	51.62	.....	82.06
Hubbard Prize Fund.....	.....	9.70	50.00	51.62	8.08	.....
Sterrett Prize Fund.....	91.38	.....	.....	12.00	.....	103.38
Ordronaux Prize Fund.....	521.58	.....	150.00	209.63	.....	581.21
Staughton-Elton Prize Fund.....	3.66	.....	.....	.....	.....	3.66
<i>Executory Trust Funds:</i>						
Mayer Hospital Fund.....	.....	.....	230.66	230.66	.....	.....
Denman Law School Fund.....	.....	.....	424.50	424.50	.....	.....
Jacques Law School Fund.....	.....	.....	267.64	267.64	.....	.....
Jacques Medical Fund.....	.....	.....	277.61	277.61	.....	.....
Law School Building Fund.....	.....	.....	44.74	44.74	.....	.....
General Building Fund.....	.....	.....	473.02	473.02	.....	.....
Endowment Restoration and Accretion Fund.....	.....	.....	133.99	133.99	.....	.....
Administration Building Fund.....	.....	.....	39.29	.....	.....	.....
Chemistry Building Fund.....	.....	.....	6.00	6.00	.....	.....
Less: Balances.....	\$321.61	\$13,345.96	\$11,840.76	\$9,795.87	\$1,243.64	\$12,223.10
Net Balances.....	.....	321.61	9,795.87	.....	.....	1,243.64
	.....	\$13,024.35	\$2,044.89	.....	.....	\$10,979.46

Summary.

Unexpended Income, Cash on Hand September 1, 1922..... \$13,024.35

Income for Year:

Endowment Funds..... \$7,937.71

Executory Trust Funds..... 1,858.16

9,795.87

Expenses for the Year:

Endowment Funds..... \$9,943.31

Executory Trust Funds..... 1,897.45

11,840.76

Unexpended Income, Cash on Hand August 31, 1923..... \$10,979.46

Form of Bequest

FOR EXECUTORY ENDOWMENTS.

"I give and bequeath to the GEORGE WASHINGTON UNIVERSITY, of Washington, D. C., the sum of.....dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine."

FOR GENERAL ENDOWMENTS.

"I give and bequeath to the GEORGE WASHINGTON UNIVERSITY, of Washington, D. C., the sum of.....dollars, free from legacy duty or tax the principal to be invested, and the income only to be used as its Board of Trustees may determine."

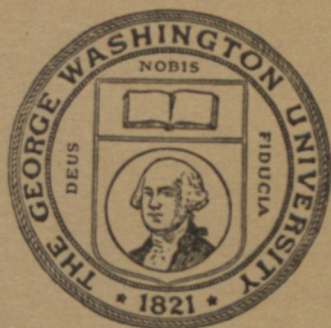
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NUMBER 4

George Washington University Bulletin

THE INAUGURATION OF
WILLIAM MATHER LEWIS
AS PRESIDENT OF THE UNIVERSITY

NOVEMBER 7, 1923



PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C., MARCH,
JUNE, OCTOBER AND DECEMBER

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THE INAUGURATION
OF
WILLIAM MATHER LEWIS
PRESIDENT OF GEORGE WASHINGTON UNIVERSITY

NOVEMBER 7, 1923

WASHINGTON, D. C.
Terminal Press, Inc.

1923

THE INVENTION

OF THE NEW METHOD

OF THE ART

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OF THE ART

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INTRODUCTION

At a meeting of the Board of Trustees of George Washington University, held on May 31, 1923, William Mather Lewis was unanimously elected President of the University. On September 1, 1923, President Lewis succeeded Dr. Howard L. Hodgkins, who had served as President since the resignation of President William Miller Collier, which had taken effect September 1, 1921.

The inauguration of President Lewis was set for November 7, 1923. Invitations were sent in the name of the Trustees and Faculties to the colleges and universities of the United States, to several foreign universities, and to the learned societies. Virtually all responded with congratulatory messages, and over two hundred designated delegates to attend the inaugural ceremonies.

On the afternoon appointed for the ceremonies, the members of the Board of Trustees, the University Council, and the Faculties, and the delegates assembled in the building of the Pan-American Union and went in procession to the Memorial Continental Hall, where the exercises of inauguration were held.

THE EXERCISES OF INAUGURATION

The Right Reverend James E. Freeman, Bishop of Washington, pronounced the invocation:

Divine Son of God, Thou art the Way and the Truth and the Life. Show us the way. Give us to understand the truth. And ultimately lead us into the path that leadeth up to life eternal.

We come to Thee today because Thou art the Source and Giver of Every Good and Perfect Gift; and in all our work, begun, continued, and ended in Thee, we look unto Thee for strength and for succor and for guidance.

So today we come to Thee in behalf of this school of learning, and in behalf of him who presently shall assume full oversight of it. Do Thou grant that this school may serve the high purposes of truth. Do Thou grant that those who come to it may find in it illumination, and all things that contribute to the larger vision and the greater efficiency in life's service.

Do Thou dower Thy servant, in his exalted office, with gifts of physical strength. Do Thou glorify his vision. Do Thou illumine his mind. Do Thou enrich his spirit. And do Thou grant to all those who labor with him Thy manifold gifts of grace. Give them,

above all things, the gift of understanding; and grant that they may be given the wise and understanding heart, that they may know how to lead Thy sons and daughters wisely into way of truth.

We commend all this enterprise to Thy loving care and direction. Be with it all the day long. Give to it increasing power. May there flow from it streams that shall make glad this nation. Give it to serve this country with ever-increasing efficiency.

And grant, dear Lord, that to one and all of us there may come a greater sense of obligation to Thee, and through Thee a greater sense of devotion and fidelity to the land we love.

We commit all our concerns to Thee, and we ask Thee to direct us now and always; for we ask it in the name and for the sake of Him who for our sakes became poor, that we through His poverty might be made rich, Thy Son, our Saviour, Jesus Christ. Amen.

Mr. John Bell Larner, the Chairman of the Board of Trustees, delivered the introductory address:

MR. LARNER'S ADDRESS

President Lewis, my associates of the Board of Trustees, visiting representatives of sister colleges and universities, members of the faculty, ladies and gentlemen: First of all, I desire to express, on behalf of the trustees and faculty, our sincere appreciation of this remarkable attendance of distinguished representatives from colleges and universities.

On the occasion of the inauguration of our President it seems fitting to speak of some of the historical features of the George Washington University. As the new President assumes the duties of his office, and on the eve of a great campaign for funds to provide for new buildings and endowment, it will be well to set forth some of the outstanding features of this institution which has been so prominent for many years in the life of the Nation's Capital.

One hundred and two years ago Congress created the Columbian College. It is interesting to note that the college owed its existence to a consecrated missionary—a man who in the interest of higher education devoted fifteen years of his life to the upbuilding of his cherished plan for a great college at the Nation's Capital. We read now with thrilling interest of his travels, covering a period of fifteen years, from state to state and house to house, seeking contributions for his work. No amount was too small to put in the common fund of the projected college. And when Luther Rice died his last request was, "Send my sulky and horse and baggage to Brother Brooks, with directions to send them to

Brother Sherwood, and say that all belong to the college"—an example well worthy of emulation.

Washington, in 1821, had a population of less than 15,000 souls, including whites, slaves, and free colored; with less than 10,000 whites the city was nothing more than a fringe of houses, scarcely 2,500 in number, extending along Pennsylvania Avenue from Georgetown to the Navy Yard; the Court House, commenced in August, 1820, was in process of erection. This must have been a gloomy outlook for the promoters of the new college. Under such conditions, when men had little thought of great public enterprises and less money, it seems at this distance surprising that a handful of men headed by that remarkable person, Luther Rice, should have had the temerity to organize the first non-sectarian college in this section.

The opening of the college and the inauguration of the first president and faculty, took place on the 9th of January, 1822, and the following interesting account of that occasion is given in the *National Intelligencer* of January 15, 1822:

"The inauguration of the faculty took place at the institution, in College Hall, January 9. At ten o'clock a. m the procession formed at the house of Professor Chase and moved to the college chapel. The solemnities were introduced by prayer by the Rev. Burgess Allison, D. D., the Chaplain of Congress, one of the vice presidents of the General (Baptist) Convention; the president of the body, the Rev. Robert B. Semple, of Virginia, not having been able to attend. The act of incorporation passed at the last session of Congress was read, and from the records of the trustees the elections, respectively, of the members of the faculty. The Rev. Obadiah B. Brown, president of the Board of Trustees, then rose and addressed the President of the College, the Rev. Dr. William Staughton, in a few but very appropriate observations, presented him with the keys of the edifice, and invested him with the prerogatives of his office, and successively greeted by the proper attributes the various members of the faculty. * * * This was followed by an address from the President, the Rev. Dr. Staughton, the merits of which can not be too highly appreciated. The crowded audience, among whom were several of the heads of the departments, and of both Houses of Congress, manifestly experienced the greatest satisfaction."

The college opened with thirty-nine students, and before the end of the scholastic year this number had increased to two hundred and fifty.

President Staughton, an Englishman, who had graduated at the Bristol Theological College in 1792 and who had shortly thereafter come to America, served as president until 1827. In 1829 he was elected President of Georgetown College, Kentucky, but died before

assuming his duties. It is interesting to note that Dr. Charles W. Needham, the eighth President of the George Washington University, was a graduate of Georgetown College, Kentucky.

President Staughton was succeeded by Rev. Stephen Chapin, D. D., a graduate of Harvard University in 1804. He served from 1828 to 1841, retired in 1841 on account of ill health, and died October 1, 1845.

Next came Rev. Joel Smith Bacon, a graduate of Hamilton College in 1826. He served from 1845 to 1854, and died November 9, 1869, at Richmond, Va. His last days were spent in the work of distributing Bibles for the American and Foreign Bible Society.

Doctor Bacon was succeeded by the Rev. Joseph Getchell Binney, D. D., in 1855. He was a graduate of Yale College and the Newton Theological Seminary. Dr. Binney served but three years as president, resigning at the end of that time to act as a foreign missionary. He died at sea in 1877 while returning to Burma, and was buried in the Indian Ocean.

In 1859 the Rev. George Whitefield Samson, a native of Massachusetts and a graduate of Brown University and Newton Theological Seminary, in succession to Doctor Bacon, became President of the Columbian College. At the time of his installation he was pastor of the E Street Baptist Church of this city. Dr. Samson was a progressive in his day and did much to increase the usefulness of the college and to extend its work. He was the college war president. The Law School was first established on the third of February, 1826, with Hon. William Cranch, Chief Justice of the Circuit Court of the United States, and Hon. William Carroll, who later became Clerk of the Supreme Court of the United States, professors in charge. Because of lack of attendance, the school was discontinued, not to be reopened until President Samson induced the trustees to purchase a building which stood on the spot of the Columbian Building on Fifth Street, and the reestablished school started under the professorships of John C. Kennedy and William M. Merrick. This, the first law school in the city of Washington, still continues its work, growing more efficient as the years progress. The Medical School, which is co-existent with the college and university, is also the first school of medicine.

Dr. Samson continued as president until 1871, when he resigned to accept the Presidency of Rutgers Female College of New York City.

Then came, that same year, James Clarke Welling, LL. D. He was the first president taken from the ranks of the laity. He was a graduate of Princeton College and a lawyer by education. Dr. Welling was a scholarly gentleman of the highest type, and in all that he did and said he reflected characteristics that at once won for him the appellation of the "courteous gentleman and scholar."

At one time he was the literary editor, and later associate and chief editor, of the *National Intelligencer*. His articles were considered of the highest order of literary merit, and his editorials attracted wide attention. In 1867 he became the President of St. John's College at Annapolis, Md., and in 1870 he was elected to the chair of *Belles Lettres* at Princeton College. From there he came to Columbian College as its president. On June 18, 1894, he resigned, and died within a few months thereafter.

It was during President Welling's incumbency, that is, in 1873, that the College Hill property was authorized by the trustees to be sold, but it was not until 1884 that the new building at the corner of Fifteenth and H Streets was completed and occupied.

It was also during Dr. Welling's term that the name of the institution was changed, by Act of Congress, to the "*Columbian University*," and the Corcoran Endowment Fund established by that distinguished philanthropist, W. W. Corcoran, president of the Board of Trustees. At the time the name was changed the total enrollment was 266.

The Reverend Samuel H. Greene, pastor of the Calvary Baptist Church of this city, acted as president until July 1, 1895, when the Rev. B. L. Whitman, who had been President of Colby University, was elected president. He served only until the first of April, 1900, when his resignation, tendered January 19, took effect. It was under Dr. Whitman's administration that one of the largest, perhaps the largest public demonstration of cap and gown up to that time, took place in this city. This was at one of the commencements held at Convention Hall, to which the president, trustees, faculties, and students marched through the streets from the College Building, at Fifteenth and H Streets. The hall was crowded, and great enthusiasm prevailed. It was also during Dr. Whitman's time that by an Act of Congress the charter was amended so as to require two-thirds of the trustees and the president to be members of the Baptist Church.

After Dr. Whitman's retirement, Dr. Greene again took the reins as acting president, and served until June 18, 1902, when Dr. Charles W. Needham, a distinguished lawyer and dean of the Law School, was elected to the office of president. It was during his administration that Congress passed an act restoring the non-denominational character to the University and changing its name to the George Washington University. Dr. Needham was deeply interested in the progress of the University and did much to bring up its standards. The first convocation, after the change of name, took place on the 22nd of February, 1905. At that time the total enrollment was 1,258 students.

August 31, 1910, Dr. Needham resigned the presidency, and Admiral Charles H. Stockton, LL. D., U. S. N., was designated from

among the Board of Trustees as acting president. On the 30th of November of the same year he was elected president. During Admiral Stockton's administration the College Building at Fifteenth and H Streets was sold and the Department of Arts and Sciences were removed to temporary quarters on I Street, between Vermont Avenue and Sixteenth Street. There the work of this department was continued with increasing patronage until the permanent location on G Street, between Twentieth and Twenty-first Streets, was established. From this time the student body increased rapidly. On the first of April, 1915, there were 1,788 students in all departments, and at the time of Admiral Stockton's retirement, on the 31st day of August, 1918, this number had increased to 2,262.

Admiral Stockton is a graduate of the United States Naval Academy and holds the degree of LL. D. from this University. He is the author of various work and papers on International Law. His long and honorable career in the Navy eminently fitted him for the office of president, and his splendid services will be remembered by those whose pleasure it was to come in contact with him.

On Admiral Stockton's retirement Dr. William Miller Collier was elected to the presidency. He assumed the office on the 1st day of September, 1918, and resigned on the 31st day of August, 1921, to accept the appointment of President Harding as Ambassador to Chile, which position he still occupies with great credit to the United States.

Dr. Collier is a lawyer and diplomat. He is the author of a number of law books, which are well known to the profession. At one time he was a lecturer in our Law School. His services to the University as its president were of a high order and in many ways he accomplished much in the raising of standards and impressing the value and the importance of the University on the public at large.

After Dr. Collier's resignation the board designated Dr. Howard L. Hodgkins as president pro tempore. Dr. Hodgkins is a graduate of the Columbian College and has held many important positions in the College and University since his graduation in 1883. His work as president pro tempore has been of the highest order, and he has done much to bring about the prosperous condition that the University enjoys to-day. When he turned over the office to his successor, in September of this year, all things were well and set for rapid strides, which are hoped for and are believed to be at hand in the near future. In recognition of the invaluable services rendered in this connection by Dr. Hodgkins, a new office of Dean of the University has been created by the Board of Trustees, and he has been elected to that office.

The total enrollment of students for all departments for the year 1920-1921 was 4,069; for 1921-1922, 4,545; and for 1922-1923, 4,950. The indications at this time are that for 1923-1924 the number will equal and probably exceed 5,500.

The teaching force, including deans, professors, associate professors, assistant professors, associates, lecturers, instructors, assistants, and demonstrators numbers 321.

The Board of Trustees, whom I represent on this most auspicious occasion, has had a large responsibility in the selection of a president. The unique character of the George Washington University is such that particular stress had to be laid upon the qualifications of a man for this important position. We do not believe that conditions similar to those existing here at the Capital of the Nation, in educational matters, exist anywhere else in the United States. The George Washington University breathes and has its being in the midst of a cosmopolitan city, with no campus but the Mall, with no dormitories except the homes of the city. Its students are men and women from all over the United States, who come here to the Capital for the purpose of securing their education. At the same time many of them earn their living by working for the Government in one or another of its numerous departments. These students are, as a rule, well educated and thirsting for more knowledge and higher education.

For this class of work, so important and far reaching, the trustees had the duty of selecting a head. This duty, we believe, has been well performed, and we are here this afternoon for the purpose of inaugurating a man who has secured the unanimous vote of the trustees, and who already has convinced us all that the one of our choice will meet the requirements of the situation at a time when energy, enthusiasm, and ability such as he has are so urgently needed.

William Mather Lewis is a native of Michigan. He received his Bachelor of Arts degree from Lake Forest College and his Master of Arts from Illinois College. These were supplemented by studies abroad. He was mayor of Lake Forest and a member of the Board of Review and president of the Board of Education; lecturer at McCormick Theological Seminary; and since 1921, to date of his assuming the presidency of this University, he was chief of education service of the Chamber of Commerce of the United States. He comes to us with large experience in educational and administrative work. But best of all, he is a real American.

I can not close without a word of tribute to the faculty of the University. No set of men connected with any enterprise has been more conscientious in the performance of their duties than have been the deans, professors, and tutors connected with its various schools and departments. In prosperity and during ad-

versity they have each and all stood at the post of duty and measured up to all requirements and all conditions.

A bright light is on the horizon. The future of George Washington University is assured.

Professor Howard Lincoln Hodgkins, Dean of the University, presented greetings from the Faculty of the University:

DEAN HODGKINS' ADDRESS

As the senior member of the faculties of George Washington University, it is my happy good fortune to be chosen to give faculty greeting on this occasion to the new president of the University.

Mr. President, I bring you greeting and welcome from three hundred men and women who form the teaching staff of this University. Some of them have been on the faculty less than a quarter of a year, a number have been here more than a quarter of a century. But whether the term of service is counted by months, or by years, or by decades, the welcome to you from each and every one of us is sincere and from the heart.

As one who from long and varied experiences in teaching and in administration has had opportunity and occasion to know the character and the feeling of the faculty, I can assure you that they are ready, yea, anxious to cooperate with you in the further development of the University.

It is but a short time that you have been here—a short time for us to become acquainted with you—and yet we feel that we know you—that we know your high intellectual powers, your broad and comprehensive views on education, your administrative ability. We feel that you already know well this, our University. We feel that you are one with us in aspiration to make this University, in this city of Washington, this University which bears the name of Washington, a strong force for intellectual and spiritual good, for civic and national betterment. For this purpose was this University founded a century ago, for this it has labored during a hundred years, for this may it labor during the centuries to come.

In the annals of the University are the names of numbers upon numbers of men and women, administrators, teachers, students, who have had these same thoughts, have worked for the same high ends.

And in these days men and women of like ideals are here. And from the perspective of forty years' personal acquaintance, friendship, and understanding of those who have here dwelt and wrought, I feel that, speaking with full knowledge of my colleagues, you will find here in this day, men and women of strength and zeal,

men and women who love their work, men and women who are worthy scholars and inspiring teachers.

It is on behalf of these that I greet you. When they first learned of your coming to the high office of president, they studied your career, and at once they held for you respect and admiration. As they have come to know you, to respect and admiration has been added deep affection.

Our greeting to you, Mr. President, is therefore from the heart. We rejoice that you are now our leader. We pledge to you our fullest cooperation. We count ourselves most happy, and our University most fortunate to have you as the guide at this time.

On behalf of my colleagues and for myself personally, I greet you, I bid you welcome.

Mr. Samuel Herrick, President of the Alumni Association, presented greetings from the Alumni:

MR. HERRICK'S ADDRESS

Mr. President, Visiting Delegates, Ladies and Gentlemen: It is with much pleasure and pride that I speak to you briefly on behalf of the Alumni of George Washington University, who for more than one hundred years have been going out into the world making places for themselves and reflecting credit upon their alma mater. During that period many presidents of the University have been inaugurated, but never before in the presence of such a distinguished gathering as this, nor with such prospects of great accomplishments for the future.

We, the Alumni, realize that in William Mather Lewis the University has secured a splendid executive as well as a fine educator, a man of action as well as one of vision. And we pledge him our heartfelt support in making it a bigger, greater, more efficient George Washington, one even more worthy than it is to-day of bearing the name of the first President of the United States, of the foremost American of all time. May I add—and I do so with all respect, admiration and esteem for the other universities and colleges represented here to-day—that the Alumni look forward with pardonable pride to the time when under its new leadership this institution of learning will be second to none in the land, not only with respect to its faculty and its student body, but more especially in the matter of the quality of its academic standards. President Lewis, the Alumni, ten thousand strong, extend to you a warm welcome to the University we love, and bid you God speed in the great work before you.

President William Wistar Comfort, of Haverford College, presented greetings from the colleges:

PRESIDENT COMFORT'S ADDRESS

These family parties of people engaged in the higher education of our Nation's young people, are very happy occasions. They bring together men and women engaged in a common work for the Nation—one of the most important pieces of work in which it is possible to participate. For on a small scale we meet in our eight hundred institutions the problems which confront our people—moral and spiritual problems, race problems, law enforcement, democratic self-government, the forces both of conservative tradition and of radicalism, the relations of the sexes in education, the tendencies toward exclusiveness and extravagance always ready to assert themselves. In addition to ourselves and our undergraduates we have, as has been wittily pointed out, our own graduates to educate, and in a larger sense, the entire community of which we form a part. Surely a large task our educators assume, and one now recognized to be both difficult and entitled to respect. Such auspicious occasions as the present which has brought us together to-day enable us to exchange helpful experiences. Our hosts have given us so much reason to enjoy this occasion that our first thought is to express our appreciation of the generous and hospitable entertainment that has been accorded us in the National Capital.

I do not know the feelings with which President Lewis may have undertaken the duties of his new office. To many of us there is a tinge of sadness attached to such a ceremony as this—a sadness akin to that felt by those present when the veil is taken by a young and beautiful novice. For the merciless department of administration is constantly absorbing in its service the talents of precious and proven scholars who must henceforth renounce their cherished privilege of scholarship and research. Long days in the library, the study, and the laboratory, which pass like moments, must be foregone, and weary hours which seem like days, must be devoted to committees, to reports, and to financial problems. Private satisfaction must yield to public service on a wider stage. Mr. President, on behalf of my colleagues who have trod before you this sacred way and have taken the veil of renunciation, let me extend my condolences!

But after all, for you, Sir, there are so many compensations! To preside over an ancient foundation which bears the name of George Washington, that eighteenth century English gentleman, who of all Englishmen of his time left behind him the greatest and most abiding monument—our Nation—is a very great honor. To

reside in Washington, where the Nation's pulse beats with the greatest force, where the constructive political and scientific activity of our people is centered, is in itself a powerful impulse to activity and participation. Finally, to be so well equipped for your task by a rich and varied experience of twenty-five years, ranging from the headship of an academy for growing boys to an important share in the large affairs of the Federal Government—this, too, is a peculiar advantage.

So we, your colleagues of the salt water and the fresh water colleges, bring you our congratulations on the rare prospect of usefulness which opens before you. And to the trustees and faculty of George Washington University we address our felicitations upon the selection of a leader so rarely qualified by character and training to direct wisely the destinies of this University.

President Livingston Farrand, of Cornell University, presented greetings from the universities:

PRESIDENT FARRAND'S ADDRESS

It is a very distinguished pleasure, President Lewis, to bring to you and to this University, of which you are now the leader, the hearty greetings and good wishes of the great sisterhood of universities of the country. You are undergoing this ceremony under the eyes of experts. There are some of us who have actually supported the operation. There are others who have frequently assisted with the anaesthetic. There is, ladies and gentlemen, a certain technique in these inaugurations. It is at this point that there should be interjected—if it has not been done before—the warning with regard to the high mortality of the profession which you have now entered. I find myself in no mood to dwell upon the hazardous aspect of your—opportunity.

It is quite inevitable that certain notes should be struck at any academic ceremony in the City of Washington. I am not surprised that the chairman of the Board of Trustees emphasized, in words which I have heard elsewhere, the extraordinarily peculiar character of the location of this University, the exceptional conditions which surround it, and consequently the peculiar problems which it must meet. Those words are quite familiar, Sir. I am not sure that the problems are so entirely different, but it would be quite inevitable that certain notes should be struck at any gathering of the adherents of a University, and of friends of a University, which is located in the National Capital.

It is a very difficult task which you have taken upon your shoulders, President Lewis, but no one knows better the difficulty of the task, and the importance of the task, than those who are

engaged in the great work of education. I suppose nothing is undergoing scrutiny to-day as intensely as our educational system; and that scrutiny is not only from without, it is from within. I am bound to say that the vociferation is more noticeable from without. But, as not infrequently happens, the promise of valuable and constructive suggestion is more likely to come from within. It is quite inevitable, I say, that this scrutiny should take place; and it is quite inevitable that we should strike a certain note this afternoon, and that is, as to what is, after all, the purpose of our American universities.

Now, the purpose of the university can not be separated from the purpose of our national education as a whole; and that educational system, which is the pride of this country, has developed, hand in hand, with the development of the American democracy. The very fact that it has remained plastic, the very fact that it has adapted itself to the service of our national life, is its greatest glory.

Now, the fact that we should be puzzled with regard to certain problems of our present American education is quite inevitable, so long as we are puzzled with regard to the development of the democracy itself; and no thinking man can fail to see that, as a Nation and as a democracy, we are facing problems to-day, the solution of which is baffling the best minds that we have.

I believe it is perfectly proper, Sir, that we should emphasize here in Washington the particular purpose of our American universities. We may dispute among ourselves as to details of method, but after all, we can agree upon a certain generalization, and that would be that the purpose of our American universities is to prepare American youths to live. The danger is in confusing the purpose of life as being merely material success. There is now a growing conviction that must be met, living in every American university, that after all, the purpose is, above all, the preparation for American citizenship. Now that, Mr. President, is an ideal which any university can hold before it. It is an ideal which every American university must hold before itself.

That you, in the great enterprise to which you have set your hand, will have full success, those of us who know you and your record have no doubt; but I wish you to know that you can count upon the hearty support of all of those sister universities that are engaging in the same great enterprise as your own.

The Honorable John J. Tigert, United States Commissioner of Education, presented greetings from the Federal Government:

COMMISSIONER TIGERT'S ADDRESS

Mr. Chairman, President Lewis, Ladies and Gentlemen: No official duty could be more pleasant and no personal privilege more gratifying to me than to have a part in the formal induction of Mr. Lewis into the presidency of George Washington University. It is an occasion of paramount significance in the sphere of educational affairs and of considerably more than passing moment in the stream of exceptional, though almost daily, occurrences to which the Nation's Capital has become inured.

Washington is unique not only in those respects which adhere to the seat of Government of a great Nation and in the many particulars which grow naturally out of such a fact, but more and more it is coming to be a cosmopolitan city. It is possible that the United States may continue a policy inaugurated by George Washington of holding herself in "splendid isolation" among the nations, but it is incontestable that our Capital is being constantly subjected to an ever increasing multitude of distinguished visitors from all the civilized nations. In the lapse of a few years one sees in this Capital the faces of the world's most outstanding statesmen, philosophers, writers, soldiers, churchmen, educators—in fact, men preeminent in every direction of human effort. Even one or two of the better known kings and princes have been here in recent years. Washington has become literally the mecca of the earth.

Meanwhile, this Capital has become the fourteenth American city in size and must be counted much higher than this in most of the elements of municipal growth and well-being. None will arise to dispute its surpassing beauty, replete as it is with natural wonders, architectural splendors, and monumental piles. Placidly she rests in the arms of two historic streams, a queen of cities, the admiration of all whose eyes fall upon her.

Among the incomparable assets of Washington none has been more frequently remarked upon than her facilities for research and investigation. In libraries, museums, and collections of all kinds, Washington is not rivalled by any American city and by few in Europe. A score of more scientific bureaus in various departments of the Government offer a vast laboratory of research unequalled anywhere in the world. In addition, the headquarters of most national groups organized and founded for purposes of science, research, education, and welfare are located here. Here also have been planted a number of institution of higher learning,

one of which was born with the Republic and antedates the establishment of the seat of government in this city.

Of five leading institutions of higher learning in Washington, three are denominational in their origin and control, one is an institution for negroes, receiving financial support from the Federal Government, and one is undenominational and controlled by a self-perpetuating board. The latter is George Washington University, a venerable institution of more than a hundred years, with approximately 5,000 students on its roster and an annual income of nearly a half million dollars. This is the institution whose guests we are to-day and which, with its new executive head, we have assembled to congratulate in this auspicious hour.

The assumption of the presidency of George Washington University by Mr. William Mather Lewis surely makes a new epoch in the long life of this historic University, and as we have intimated, may exert profound influence throughout the Nation and even beyond its borders in view of the cosmopolitan character which the Capital of the Nation is assuming. There awaits for George Washington University and her new president an opportunity unique in American higher education.

America owes a peculiar debt to the church college. For a long time the brunt of the battle for higher learning and, to a large extent, for higher living, was borne in America by the church college. Witness, for example, the fact that of some, one hundred and sixteen colleges and universities in the Mississippi Valley, more than a hundred of these were denominational in origin or control. Some of our State universities of the present day were denominational in their origin. The contribution which these church institutions have made and are still making to the progress of the Nation can hardly be fully appreciated or appraised. Often with meagre facilities, generally with inadequate endowments and support, and not less frequently with poorly trained staffs, these institutions have displayed a fidelity of purpose and their faculties have shown a spirit of sacrifice and loyalty which has enabled them to accomplish results which are quite out of proportion to their facilities. The three church institutions in Washington have done a most admirable work in the sphere of activity to which they are limited.

In spite of the accomplishments of these institutions, the possibilities of higher education, particularly in the realm of research, have not yet been fathomed in the National Capital. From the time of George Washington, who strongly favored a Federal or National University in the Capital, there has been much said and written about the limitless possibilities here for the study of science, government, diplomacy, and many other major branches. Some have favored a National University, but many have feared the

political aspects of such an institution and have pointed to the need of a strong university, endowed from private sources, and independent of denominational control. None of these hopes has ever been fully realized.

With all of her superlative possessions, Washington lacks one thing, and, in this, she is practically alone among the great capitals of the world—she lacks a great independent and representative university, such as exists in London, Paris, Berlin, and most of the important capitals. Why should not George Washington University, under the leadership of President Lewis, aspire to furnish Washington with such a representative institution as has been long desired?

There are many reasons for such a course. At present there is nothing inconsistent with such an aspiration. The institution is now independent, under a self-perpetuating board composed of able and representative men, with a name eminently fitting; it has behind it more than a century of growth and tradition interwoven in the history of the Nation; it has a large nucleus of students and a faculty of able men. In the president she inaugurates on this occasion, George Washington receives the leadership of a man abundantly able to put her in a place in the sun. Rarely can a man of such versatility and capacity be found. His educational preparation has been international. He has already displayed qualities of the executive in important positions. In education, as headmaster at Lake Forest; in municipal government, as the mayor of a city; in the Federal Government as the director of a division of the Treasury Department; and in a great business organization as director of the education service of the Chamber of Commerce of the United States. In all of these important posts the new president of George Washington has acquitted himself with ability and honor. He is young, physically strong, enthusiastic, and optimistic. He is an accomplished writer and is at home on the platform. To him may be applied the oft-quoted phrase of Ennius, "a man learned, trusty, delightful, and eloquent."

With the acquisition of such a leader, the most important problem in a greater George Washington has been solved. The way has already been made ready in a number of particulars for such an expansion as we have discussed. Congress has already made available the facilities of the Government for research; the location of the National Research Council, the American Council of Education, the National Academy of Sciences, and other important organizations in Washington is an incalculable asset, while an extraordinary aid has appeared recently in the establishment here of the "University Center for Research, which desires to promote and facilitate research in activities, libraries, and other collections located in the District of Columbia, on the part of students in the

graduate departments of American and foreign universities, and of others."

President Lewis will not face an easy task, but he is not the type of man to quail before difficulties. An adequate endowment and plant must be provided, scholars of national and international repute must be sought for the faculty, and a program needs to be formulated. Any of these tasks, together with others of equal importance, will challenge the energy, tax the resources, and require a protracted effort on the part of any man or organization. Conceding the obstacles and the necessity of patient effort, we see no reason why George Washington should not under the new regime begin a development that will not only lend unity to the many intellectual forces now operating in our Capital, but may flavor the Nation and the world with high thinking in more than one great sphere of knowledge and investigation, even as Edinburgh and Vienna have carried a torch for the world in medical science, and Paris and Berlin have profoundly influenced the world in the fields of religion, philosophy, and political science.

President Lewis will not be able, like some Moses, to smite the rock of research and send forth a stream of truth to enlighten the world, but with the eminent capacity and vision he possesses he will put his hands to the task before him. In this task I convey to you, Sir, real congratulations upon the honor that has come to you, resplendent hope for the future that waits you, and continuing good will not alone in behalf of the Government of the United States, but in behalf of more than seven hundred thousand public school men and women, each of whom I know would desire me to extend on this occasion the hand of fellowship and pledge an earnest of cordial cooperation.

Mr. Larner presented President Lewis, saying:

Mr. President: I read in your hearing a few moments ago an extract from a newspaper giving an account of the inauguration of the first president of the University, in which it was stated that the keys of the edifice were presented to Dr. Staughton. I have been unable to find out whether or not on any other occasion this formality has been observed. At this inauguration it will be omitted for three reasons:

First: Because our new building has not yet been built and we have no keys to present;

Second: Because our college buildings now in use by thousands of students have no keys; the doors are open wide at all times to accommodate the flood of students who come to us from all quarters of the globe; and

Third: Because the key has already been presented to you.

You will remember, Mr. President, how George and Martha drove up in their coach to the front of the stage of the Sylvan Theater, and with great ceremony handed to you the key of the University, and how you, Sir, in a few well chosen words accepted it. See that this key is kept as a sacred trust. This is at least one occasion when the student body outgeneraled the trustees.

And now all that remains for me to do on this occasion is to present you to this wonderful audience as the President of George Washington University.

President Lewis delivered

THE INAUGURAL ADDRESS

This is the century of education. America has passed through a pioneering century, through a century of political organization and adjustment, through a century of industrial and commercial expansion, and all have led inevitably to this. Since 1890 the population of the United States has increased 68 per cent, but in a similar period the high school attendance has increased more than 500 per cent. There is a larger percentage of our youth attending colleges this year than attended high schools thirty years ago. In 1890, 13 per cent of our population above the age of ten years was illiterate; in 1920 the total had been reduced to approximately 6 per cent. Our newspapers and magazines are filled with advertisements of correspondence schools and specialized institutions of this kind and that; our great steel plants and machine factories and print shops maintain their trade schools; the farmer who a decade ago laughed at the book farmer now listens respectfully as the county agent tells him how to put his barren acres into production.

The century of education follows naturally upon the century of industrial and commercial expansion, for therein was created the necessity for accurate knowledge in a hundred expanding fields of human endeavor. A few weeks ago the professor of mathematics in a Middle Western college died. He had overtaxed his strength in contributing as his share in the World War countless hours of mathematical training to young artillery officers, and many a shell that went home on the western front was given its direction by this quiet and peaceful man on the shores of the Great Lakes. The war was fought by exact mathematics and science, and the battle of complex and crowded civilization is fought to a successful issue not by those who guess but by those who know. It is the pressure of this civilization, with its intricate machinery and teeming centers where millions live dependent upon each other, that is forcing

upon all classes of society the realization that the trained mind is an essential in the struggle for existence.

It is this realization, too, which makes the problem of educational standards and educational methods a different thing than in former centuries. Then the highly educated man, the scholar, lived in great measure a cloistered life. To-day we are forced to have the scholar in electrical engineering, in banking, in commerce, in foreign service—yes, and in ditch digging as well. Place over against the architectural monstrosities of the '80's throughout America the fine things that are being done in building to-day and the relation of cultural education to mechanical processes becomes more clear. There has been a natural shifting of emphasis in the evolution of curricula. In our early days, before the century of industrial and commercial expansion, our institutions of higher learning were called upon to produce lawyers and doctors and clergymen. For these professions Greek and Latin were not only cultural subjects; they were distinctly and emphatically vocational subjects as well. The vocational and the cultural were not and can not be separated by water-tight compartments—they mingle in the life of the well-trained individual. When we learn to equip more of our youths who go into foreign trade with a broad cultural background which will enable them to meet European and South American business men on their own ground, to approach business transactions through stages of social contact, our foreign relations will be strengthened immeasurably.

The higher institution of learning in America will be unfaithful to its trust if it does not hold high the torch of liberal education; if it does not clearly distinguish between education and training. Just as truly will that institution fail to serve its generation if it does not adjust itself to supply the needs of the times—if, while holding to high standards, it does not have the courage to depart from conventional and time-honored policies when in so doing it may aid in the progress of mankind.

This is the century of education—and therein lies a problem of stupendous difficulty for institution and for individual. Because of the universally awakened appreciation of the value of education there are flocking to the doors of the universities countless thousands, many with the capacity and the preparation to take advantage of what the university offers, but many others without the mental equipment or the stamina to achieve results in fields of study which they wish to enter.

The university, in fairness to itself and to the youth who comes to its doors, must ascertain the impulse which prompted the desire for membership in the academic body; must weigh the capacity of the individual; must not yield to the craze for numbers and through lowering of essential standards and the creation of multi-

tudinous courses become in fact an intellectual five and ten cent store. That institution which does not create and jealously guard high educational standards is poor, indeed, no matter what its equipment may be. It is detrimental to the integrity of the institution and unkind to the student to open side doors of easy admission, or by a too liberal attitude, allow the student to believe that he has achieved where he has not. This administration is unalterably committed to the policy of maintaining the high standards already prevailing in George Washington University; is committed with equal earnestness to the promotion of all feasible plans for the creation of still higher standards.

This policy involves a careful investigation of existing requirements sanctioned by the academic world. It is high time that universities, and, in fact, all educational institutions, should scrutinize with more intelligent vision than heretofore our system of standards and requirements for admission. There is growing a well-founded suspicion that much time is lost by our youth in elementary and secondary school work; that our colleges are hampered by the necessity of doing much which should have been mastered before the student entered their halls. There are few to-day who have the temerity to justify either our arbitrary eight years of elementary school work and four years of secondary school work, or the content of those years. Many of the accepted standards persist because of inertia. Through sheer educational carelessness we are allowing eighteenth century rulings to be applied to twentieth century needs.

It is clear that there is a dangerous tendency in our institutions of higher education to spread themselves unduly in an attempt to meet multitudinous demands. Fortunate, indeed, is an institution with clearly defined policy in a well-bounded field. America has perhaps enough institutions of higher learning. She does not have enough kinds of institutions. Many an institution of the small college type, by sacrificing its unique characteristics in order to ape university organization and method, has ceased to fill any educational need. Many a struggling institution kept alive by local pride and alumni loyalty and the record of a worthy past could serve a real purpose in the field of education if those in control of its policies had the vision and the courage to seek the thing which could there be done supremely well and to do that thing regardless of what has spelled success for institutions of a different type and serving a different constituency.

What is the mission of George Washington University? What has it to offer which justifies its existence and the faith of those who have loyally struggled for its upbuilding through periods when its existence was threatened and friends turned from it in despair? What has caused it to emerge from the shadows and gather

strength with the years? These are pertinent question to ask on this occasion and in this presence.

George Washington University has developed in the last decade of its century of existence more and more of the characteristics of that type of institution which has evolved in the growth of our great centers of population. What is known as the urban university has as its first mission service to the community immediately surrounding it. It brings education to the people—to the worker and to the youth of leisure alike. It thus aids in the creation of a citizenry capable of carrying on with constantly increasing efficiency the complicated activities of the community in which it lives. That this is an important function in the program of George Washington University is suggested by the fact that the population of Washington is greater than that of any one of eight States in the Union, and by the further fact that one out of every ninety persons in the city is attending the University, the enrollment this year being in excess of 5,000.

What differentiates this University from others of the so-called urban type is that it is located in the Federal city, with its great Government establishments and foundations for research, with its thousands of Government servants assembled from every corner of the land. Many from all ranks of the Government service come to the University in the early morning or the late afternoon, a group of earnest and ambitious students. They come with a good educational background, and many of them, after a period of four, five, or six years, complete the requirements, and are graduated. The university offering an opportunity of this kind is making a real contribution to the solution of those economic and social problems that hamper national solidarity.

It is worthy of note in passing that the group thus attracted to Washington adds materially to the efficiency of the government service. Civil Service officials have testified to the fact that the youth drawn to Washington by its educational advantages makes an unusually desirable departmental employee. Furthermore, the student can gain more than a livelihood in this governmental work. Scores of students in the College of Engineering of George Washington University are employed in the Bureau of Standards. Hundreds of Law students are serving in the Patent Office, in the Internal Revenue Bureau, in the Department of Commerce, and in the offices of Representatives. Thus, in a way rarely possible, theory and practice are combined for them. Thus where the typical urban university cooperates with local industry and business, George Washington University cooperates with the Federal Government, giving it efficient service and carrying from it an intelligent and sympathetic understanding of the problems and achievements of government. In the Law School and the School

of Medicine many illustrations of cooperation between the government and the University are to be found. The Law School is not under the compulsion of maintaining extensive libraries, for its students have access to and constantly consult the legal works in the Congressional Library and in the libraries of the various government departments. The Medical students do much research work in the splendid library of the Surgeon General's Office. Another feature of cooperation is the free clinical work furnished by the Medical School and Hospital to the policemen and firemen of the District. It is no uncommon thing for the University to render service to forty of these public servants in a single day.

When those students who have the advantages afforded by their association with the University and the government at the same time are graduated from the University, they go out to every corner of the country, carrying with them a high sense of the significance of national spirit, which makes them peculiarly valuable to their various communities.

It should be noted that many of the full-time students in the University are the children of government officials temporarily in residence in Washington. Obviously, then, in this instance, the urban university is, in fact, a national university, exerting its influence not upon a limited constituency but upon the nation at large and on the world. To-day we find that no other university in the United States has as many former students in the Consular Service as has George Washington.

In the unique combination of circumstances just recited lies our problem and our opportunity for service; clearly the problem is to create for the University a policy by which it may take full advantage of the privileges for learning afforded nowhere else than in the Federal city. Not the least of such advantages is that pointed out by George Washington himself in expressing his desire that there might be established here a university to which "might be sent for the completion of their education in all branches of polite literature, in arts and sciences, in acquiring knowledge in the principles of politics and good government and (as a matter of infinite importance, in my judgment), by associating with each other and forming friendships in juvenile years, be enabled to free themselves in a proper degree from those local prejudices and habitual jealousies which, when carried to excess, are never failing sources of disquietude to the public mind and pregnant of mischievous consequences to this country."

But even Washington himself, with his prophetic vision, could not fully anticipate what a storehouse of intellectual treasure the Capital City was to become. It is, in truth, a laboratory with infinite resources and possibilities in all departments of knowledge. Here, to-day, are found unequalled library facilities, not in the

Congressional Library alone, but in the score or more of special libraries covering every field of human knowledge. Besides libraries, there are the great collections in geology, anthropology, zoology, and botany; the Federal executive and legislative and judicial departments; the scientific bureaus, and the boards and commissions of the government; the diplomatic establishments of foreign governments; the Pan-American Union; and the independent foundations for research along scientific and educational lines. Nor must we overlook in a broad educational scheme the importance of the galleries of art; the finest architectural piles of which America boasts; and the national shrines sacred to those who have builded the nation.

It is the problem and the opportunity of George Washington University to be the line between the great dynamos of power housed in the Federal city and the people of the United States, and to transmit the current which shall put in motion ever more efficient action in statesmanship, in foreign service, in science and art and industry; yes, and in the promotion of a strong national spirit. This is the unique opportunity which justifies George Washington University. This is the problem to which we dedicate our best thought and our untiring effort.

This is not the place to give an exhaustive analysis of how George Washington University is to play an ever-increasing part in projecting the wealth of resources here available upon the life of the nation, but it is an appropriate time to make confession of several broad articles of educational faith.

The college of liberal arts in all of our universities is a unit under close scrutiny, and there is an increasing tendency variously to define its mission. There is also a tendency to load it down with elements rightly belonging to the secondary school on the one side and to the graduate school on the other. What is the danger in our age of intense specialization? Is it not that the individual may be swallowed up by his task; that in making a living he will sacrifice living a life? Emerson, in his essay on the American Scholar, tells us that "the planter, who is a Man sent out into the field to gather food, is seldom cheered by any idea of the true dignity of his ministry. He sees his bushel and his cart, and nothing beyond, and sinks into the farmer instead of Man on the farm. The tradesman scarcely ever gives an ideal worth to his work, but is ridden by the routine of his craft, and the soul is subject to dollars; the priest becomes a form; the attorney, a statute book; the mechanic, a machine; the sailor, a rope of a ship."

What our civilization needs is Man on the farm and Man in the counting house; yes, and Man in the professor's chair. For these, civilization must look to the college of liberal arts. And if the

search is not to be in vain, we must have certain clear-cut ideals. The student is to gain his impression of how to contribute his share to society, how to enjoy the life more abundant, by obtaining a broad view of the steps which have led the universe to the period in which he lives. This is the background for balanced thinking. This is the foundation upon which he can build a well-ordered life. And this foundation will not be secure if it is made of disconnected units. That teacher who instructs as if those in his class were all to be Greek scholars, or chemists, or poets, as the case may be, fails to recognize the mission of liberal culture. He who unduly magnifies his own courses and expresses to the student intolerance for, or scorn of other subjects in the curriculum, is guilty of an act subversive of cultural development. The orientation of courses is a subject second to none for the consideration of the faculties in our liberal colleges.

It is a task challenging the best thought in the American college to present to the youth in the department of liberal arts a well-balanced course of study which will enable him to sense intelligently the development of the race, its struggles, its defeats, its accomplishments, its aesthetic yearnings, its religious expression. It is a perplexing problem to select from the mighty record of the ages only such material as can be comprehended in the short four years of the college course, and this fact would seem to call into question the wisdom of devoting much time in the formative period of the student's first college years to extensive consideration of untested social and economic theories. The encroachment of propaganda in the field of liberal culture is to be deplored by all who love true scholarship. It is the duty of the college of liberal arts to give the youth a background of sound learning against which he will project the ideas which pass into his life from every source. It is the duty of the college to show the student "how to think, rather than what to think," and in his instruction constantly to remember that one must learn to creep before one learns to run.

If we give right values to the elements of education, if we first present the great truths in which there is universal agreement and lead from those by scholarly method and by natural development to the problems which call for the use of a well-trained and well-poised intellect, the student will learn to weigh evidence and make sound judgments, and the question of so-called academic freedom will not trouble us much. Does that statement convict of being unprogressive in education? That may be a matter of terminology—and we are slaves to terms. We cringe from being classed as conservatives. We spend our lives like the Athenians of Paul's invective, either hearing or telling some new thing. From rostrum and pulpit and soap box the clamor arises. History, away with it! Logic, it must not hamper us! Ethics, it is superfluous! But

above the clamor now and then arises the still small voice of sound scholarship. Now and again there steps from the crowd the man the world needs—the man with the trained mind, with a hold on eternal truths, and before him the vocal and the unprepared sink into ineffectiveness.

May there never come the day when at George Washington University freedom of thought is not enthusiastically encouraged and the search for truth is not given every emphasis. But may the day never come when the gate is closed to the rich fields of sound learning and opened to the wilderness of emotional surmise. May the University ever develop independent thinking—independent thinking made logical and effective by sound learning.

If Emerson is correct in placing man above his activities, if it be true that law and medicine and other learned professions are passing ever more rapidly through a process of socialization, then it is indisputable that our professional schools should draw their students from that group which has had broad cultural training. It is a source of satisfaction to all interested in high legal standards that the George Washington University Law School at the beginning of the present term raised its standards of admission so that no student who has not had at least one year of collegiate education is admitted. Beginning in 1925, at least two years of such education will be required. In the present entering class 41 per cent have had a complete collegiate course. It will be the policy of the University to keep step with the most authoritative thought of the nation in the matter of strengthening professional standards.

In the professional schools and in the graduate departments fullest consideration will at all times be given to those rich mines of research in Washington to which attention has already been called, and the services of the world-recognized scholars with whom Washington is peculiarly blessed will be constantly sought for consultation, for special courses, and for the guidance of research students in many fields.

In the foundation of liberal culture, upon which the student is to rear the structure of his life, the cornerstone of religion must find its place. Here, as in social and economic fields, the teaching should be constructive; should deal with the broad facts of Christianity as enunciated by the Gallilean. It is well to point out to the student that there is a point beyond which the finite mind can not penetrate; that there is a point at which intellectual processes pause and faith must carry on. A world shaken to its axis by the cataclysm through which it is passing will never be steadied and saved by the cynic. Its hope lies in men and women of trained minds and the indomitable courage which comes from spiritual sources.

We believe that the University should furnish the opportunity to every student to worship and to develop religious ideals. And to that end the place of the Chapel service in the University life is emphasized, and much thought is given to making it inspiring and attractive in the highest degree.

Not the least important element in the work of the University is that of physical education. No less eminent an authority than President Eliot has said, "Universal physical training is the most important and urgent improvement in American education." National health is the foundation of national efficiency. The conservation of health is a great economic problem challenging the best thought. With the high tension of present-day activities, with the development of the telephone and the automobile and other time and labor saving devices, wholesome physical exercise in connection with the day's work is greatly restricted. Increasing demands are being made upon the vitality of the race. The university which gives sharp attention to the physical well-being of every student is adding tremendously to his chances of success.

In the pioneer days students came to our universities with muscles hardened by swinging the axe. They kept those muscles hard with necessary physical work which they were called upon to do during the academic term. They found in the quiet life of the campus little to deplete the stores of health. Then, with the change of conditions there developed simple types of games in which the students participated quite informally. From these games came the organized teams, came the desire for intercollegiate competition, and from the realization of that desire grew the great system of specialized athletics with highly trained athletes and scores of thousands of spectators in attendance on the games. And as the culminating development, we have the peculiar and deplorable phenomenon of institutions seeking out youths of athletic prowess and offering inducements to them to enter the university.

Sport, which was in its beginning a recreation from the serious business of education, has become one of the greatest problems in university life—a problem to be faced courageously, and at once, if we are not to lose the sense of values; if the college is not to become an athletic club instead of an institution of learning. The financial transactions and elaborate equipment are forcing college athletics close to the line of commercialized entertainment. It is our duty to lead back to sport for sport's sake. Yes, more than that, to sport for health's sake; for education's sake; for without that true spirit of sportsmanship that loves justice and fair play no man can really play the game of life with success. Our pride must be in the number of students participating in wholesome outdoor sport, not in the number of victories won by highly trained

athletes. We will labor earnestly, as friends of recreation and of physical efficiency, to realize the place and the possibility of physical education and to make sport the willing and helpful servant, not the dominating master of academic activity.

The immediate needs of George Washington University are evident and insistent. Careful consideration must always be given to the relative place of each department and to the curriculum of each department in the development of the University. The development of the highest standards of scholarship demands that the faculties be sufficiently augmented so that all members of the teaching staff shall have the leisure necessary to take advantage of the research opportunities offered in Washington. Wise administration demands that the remuneration of the members of the faculties shall be on a higher level than in the past, and that there shall be at hand means by which these faculties shall have added to their numbers, as the conditions warrant, outstanding scholars and teachers of the highest type. Large enrollment at George Washington means nothing if the units become so swollen that effective instruction is impossible.

The physical equipment of the University is far short of what the needs of modern teaching and laboratory work demand. Before another month, ground will be broken for the first unit of a splendid university plant; splendid in utility and in the beauty of simplicity. No matter what wealth time may bring to the University, we shall fail in the highest purpose of education, we shall dishonor the great name we bear if in any way we introduce or encourage an atmosphere of soft and luxurious existence. We will build in stone and brick, and we trust in character, a tradition of simple living which will strengthen the moral fiber of those whom the University is to mold.

The ideal which we seek is a university with national character and influence, a university taking full advantage of the great resources of the Federal city for inspiration and for research, a university sending into every corner of the land an ever-increasing company of men and women with physical stamina, intellectual strength, and spiritual power, a university true to the name of George Washington and pledged to the upbuilding of our America; to this we dedicate ourselves, with the prayer that with clear vision and unfaltering courage we may serve the nation which we love.

The Reverend Doctor William S. Abernethy, Pastor of the Calvary Baptist Church of Washington, D. C., pronounced the benediction:

And now may the peace of God, which passeth all understanding, keep your hearts and minds in Christ Jesus. Amen.

THE LIST OF DELEGATES

Universities and colleges, in the order of their establishment.

University of Paris:

Professor Fortunat Strowski.

University of Glasgow:

Professor A. A. Bowman, M. A.

College of France:

Professor Moret.

Harvard University:

The Honorable Eliot Wadsworth, A. M., LL. D.

College of William and Mary:

President J. A. C. Chandler, Ph. D., LL. D.

Yale University:

The Honorable William Howard Taft, LL. D., D. C. L.

University of Pennsylvania:

Leo Stanton Rowe, Ph. D., LL. D.

Princeton University:

Professor Archibald Allan Bowman, M. A.

Columbia University:

Marcus Benjamin, Ph. D., Sc. D., LL. D.

Brown University:

Arthur Derrin Call, Ph. B., A. M.

Dartmouth College:

Willard Webster Eggleston, B. S.

Georgetown University:

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